

ARIA 13.

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

ARI-551  
 WETLAND

Project Site: ELLENBURG / Clinton County	Date: 9/19/05
Applicant/Owner: HORIZON RENEWABLE ENERGY	County: CLINTON
Investigator: R. DELAHUNTY	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLAND Transect ID: ARI Plot ID: 551
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION

Plant Community Classification: PEM1PSS  
 Percent Canopy Cover: Tree: 0 Shrub: 20% Herb: 100% Vine: 5%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silky Willow	3	OBL	9. Large Leafed Woodruff	H	FAC
2. BARK Willow	3	FACW	10. NIGHTSHADE	V	FAC-
3. Highbush CRANBERRY	3	FACW	11.		
4. RUSH ASTER	H	OBL	12.		
5. SHALLOW SEDGE	H	OBL	13.		
6. ARROW-LEAF TEARDROP	H	OBL	14.		
7. JEWELWEED	H	FACW	15.		
8. SENSITIVE FERN	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 90%

Remarks: WETLAND VEG PRESENT  
 NOTE: MEADOWS W/ SWEET ALONG WETLAND FRINGES.

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 6" in places. Depth to Free Standing Water in Pit (in.): 0-2" Depth to Saturated Soil (in.): 0"	
Remarks: WETLAND HYDROLOGY PRESENT	

Date: 9/19/05  
 Community ID: WETLANDS  
 Plot ID: ARI-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	SANDY SILT

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:  
 REFUSAL OF AUGER AT 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

ARI A/B

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

ARI-552  
UPLAND.

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: RD, KH	Date: 9/19/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: upland field Transect ID: 552 ARI Plot ID: 552	

**VEGETATION**

Plant Community Classification: AG FIELD  
 Percent Canopy Cover: Tree:  Shrub:  Herb:  Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Dandelion	H	FACW-	9.		
2. Wild madder	H	UDL*	10.		
3. Timothy	H	FACW	11.		
4. Mustard sp.	H	UDL*	12.		
5. GRASS SSP.	H	unknown	13.		
6. ORCHARD GRASS	H	FACW	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
 Remarks: UPLAND VEG  
 \*-NOT LISTED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): — Depth to Saturated Soil (in.): —	
Remarks:	

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>1</sub>	10YR 3/2	—	—	Silt lam w/c clay
3-6	A <sub>2</sub>	10YR 2/2	—	—	Silt lam w/c clay

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Reusal of area at 6"

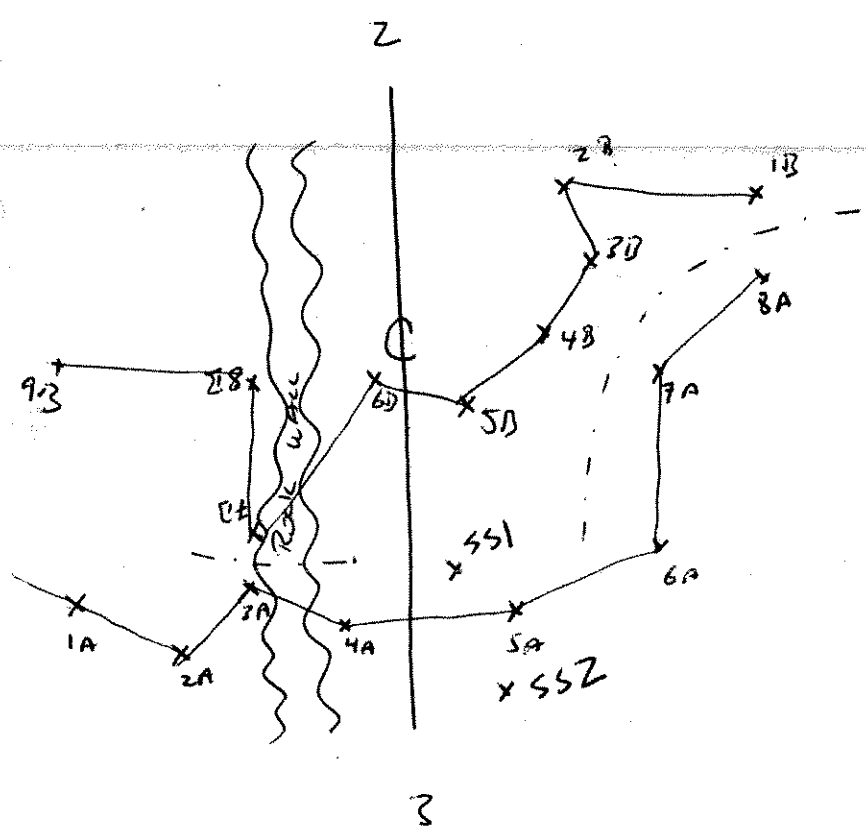
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)

Remarks

WETLAND btwn TURBINES 3 & 2 (ACCESS ROAD)

WETLAND ARI - A Line & B Line



PSS / PEM

- SHRUBS: <sup>Silky</sup> ~~White~~ willow  
 - ~~BEAK~~ willow  
 - High bush cranberry (*Viburnum trif. trilobum*)

- Herbs - ~~Antennaria~~ ~~side~~ (Rush Aster)  
 - CAREY LURIDA  
 - ARROW LEAF TEAL PLANT  
 - Jewelweed

~~Sensitive fern~~ ~~netted chain~~ Sensitive Fern  
~~golden rod~~ (Lance-leaved)

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 COE Wetlands Delineation Manual)

AR2-SS1  
 wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>KH RD</i>	Date: <i>9/14/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <i>Yes</i> Is the site significantly disturbed (Atypical Situation)? <i>Yes</i> Is the area a potential Problem Area? <i>Yes</i> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>AR-2S1</i> Plot ID: <i>SS1</i>

VEGETATION

Plant Community Classification: *PSS*  
 Percent Canopy Cover: Tree: *0* Shrub: *85* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silky willow</i>	<i>S</i>	<i>OBL</i>	9.		
2. <i>Bark willow</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Carex Scoparia</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Downy willow herb</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Rush Aster</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>New York Aster</i>	<i>H</i>	<i>FACWT</i>	14.		
7. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *WETLAND VEG PRESENT*

NOTE: *AMERICAN ELM, SPECIED BINDER, & MEADOW SWEET OBSERVED IN OTHER PORTION OF WETLAND*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>&gt;18"</i> Depth to Saturated Soil (in.): <i>&gt;18"</i>	
Remarks: <i>In between WTG 2 + WTG 1</i> <i>WETLAND Hydro PRESENT</i>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR-2/1	5YR-5/8	Few/Medium/Prominent	clay-silt loam
9-16	E	5Y-6/4			silty sand
16-18	E	2.5Y-5/4	5YR-5/8	Few/Fine/distinct	silty sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

WETLAND Soil PRESENT

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	Is this Sample Station Point Within a Wetland?
Wetlands Hydrology Present?	Yes No	(Circle)	Yes No
Hydric Soils Present?	Yes No	(Circle)	Yes No

Remarks

AR214

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)

AR2-SS2

Upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>KA RD</i>	Date: <i>9/19/05</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>upland field</i> Transect ID: <i>SS+AR2</i> Plot ID: <i>SS2</i>							

VEGETATION

Plant Community Classification: *Ag Field*

Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Dandelion</i>	<i>H</i>	<i>FACU-</i>	9.		
2. <i>wild Madder</i>	<i>H</i>	<i>UPL*</i>	10.		
3. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Mustard Sp.</i>	<i>H</i>	<i>UPL*</i>	12.		
5. <i>Grass Sp.</i>	<i>H</i>	<i>unknown</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *0*

Remarks:  
*UPLAND VEG.*  
*\* - NOT LISTED.*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	



**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
1-18"	A	7.5YR 3/2	7.5YR 4/6	many / Coarse / Pr. m.	Silt Sandy silt loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No (Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	Is this Sample Station Point Within a Wetland? Yes (No) (Circle)

Remarks

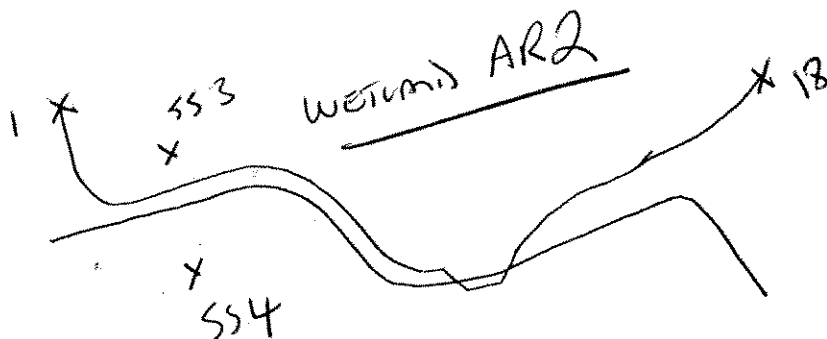
1605 Turbine location #2  
 Ag field: - grass  
 90% - DANDELION  
 - RED CLOVER  
 - wild madder  
 - milkweed

TREE line - 0 maple ~80% 40' dia DBH 6" dia  
 10% - BIK CHERRY ~25-30' tall  
 - RED MAPLE  
 - BASSWOOD  
 - HAWTHORN. understory limited (Rock wall).

SHRUBS - BRAMBLES ~20%  
 - SPIREA (meadow sweet)

FERNS HERB. ~75%  
 - FERN sp.  
 - milkweed  
 - Golden Rod.

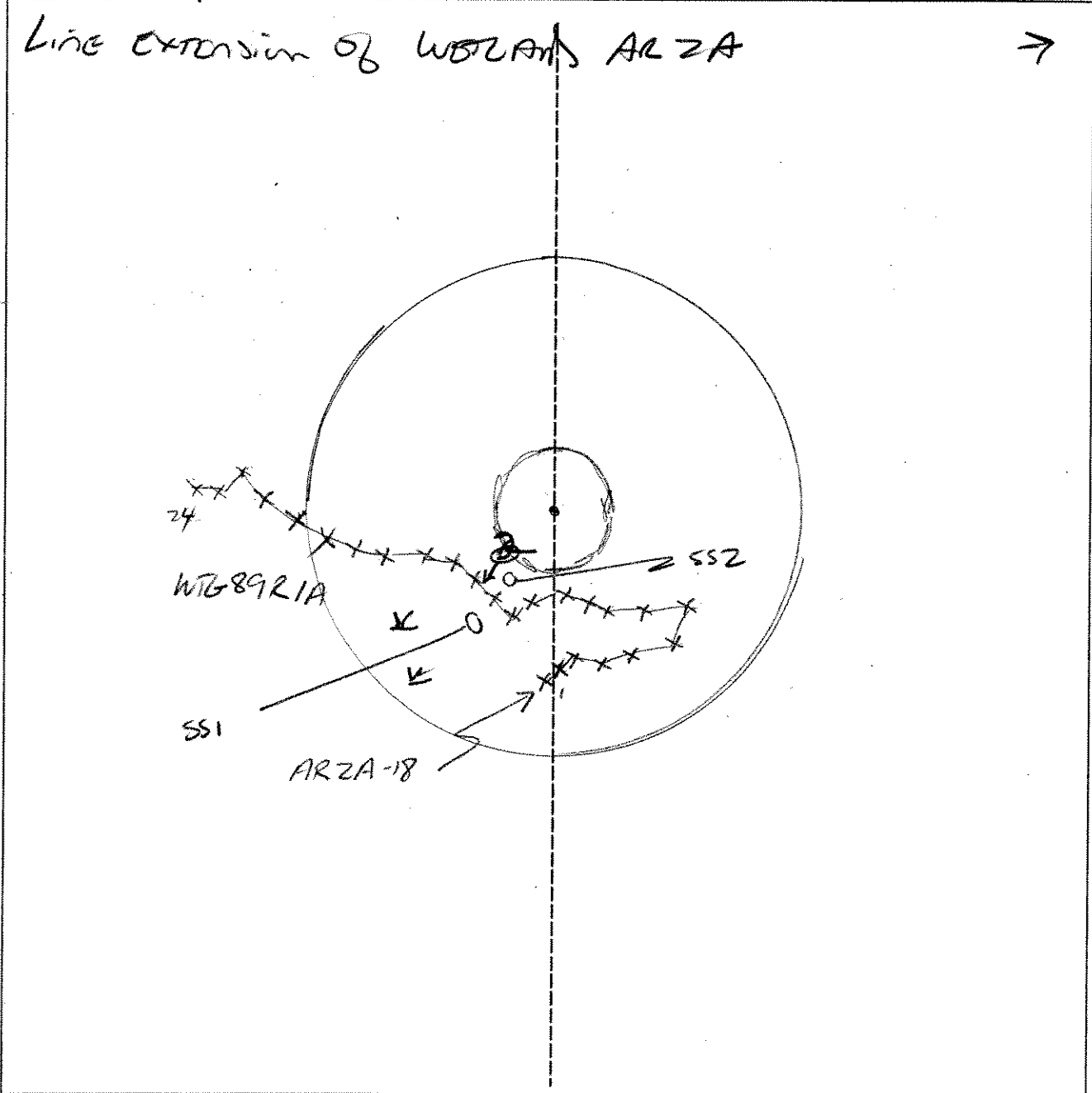
1625 Access Road between turbines 1 & 2



Associated with  
AR2-A

SKETCH FORM

Wetland ID/Route #: <u>WTG 89R 1A</u>	Date: <u>7/10/06</u> Time: <u>1300</u>
Initials of Delineators: <u>TKS SC</u>	Location: <u>WTG 89R</u>
Roll #: <u>1/2</u> Frames: <u>SE (from WTG 89R 1A-13 AT SS)</u>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Associated with  
AR2A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>MARDIE River with Farm</i>	Date: <i>7/10/06</i>
Applicant/Owner: <i>MARDIE River LLC</i>	County: <i>Clinton</i>
Investigator: <i>SM, SC</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>Wetlands</i> Transect ID: <i>WTG 89R 1A</i> Plot ID: <i>SSI</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *PSS/PFO*

Plant Community Classification: *PSS/PFO*

Percent Canopy Cover: Tree: *30%* Shrub: *75%* Herb: *75%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silly willow</i>	<i>S</i>	<i>OBL</i>	9. <i>Jewell weed</i>	<i>H</i>	<i>FACW</i>
2. <i>Meadow Sweet (OBL)</i>	<i>S</i>	<i>FAC+</i>	10. <i>Alex scoparia</i>	<i>H</i>	<i>FACW</i>
3. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	11. <i>R. Stemmed 6 leaf</i>	<i>H</i>	<i>FAC</i>
4. <i>Red maple</i>	<i>T/S</i>	<i>FAC</i>	12. <i>Willow herb</i>	<i>H</i>	<i>OBL</i>
5. <i>Apple Elm</i>	<i>S</i>	<i>FACW-</i>	13. <i>Carex rotundifolia</i>	<i>H</i>	<i>FACW+</i>
6. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Sp. Equisetum</i>	<i>H</i>	<i>FACW+</i>	15.		
8. <i>Equisetum</i>	<i>H</i>	<i>OBL</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: *Spice Root, Carex curvata observed in other parts of wetlands*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>12"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Photo 2 SE from WTG 89R 1A-13 at SSI</i>	

Date: 7/10/06  
 Community ID: WETRAIS  
 Plot ID: WTB-89LIA-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0 → 10	A	10YR 4/1 to 5/1	—	—	SILTY CLAY
10 → 16	B	10YR 5/1	10YR 4/4	COMMON/MEDIUM/DISJUNCT	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No		Yes	No
Hydric Soils Present?	Yes	No		Yes	No

Remarks

Associated w/  
AR2A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River Wild Farm</u>	Date: <u>7/10/06</u>
Applicant/Owner: <u>MARBLE River, LLC</u>	County: <u>Chatham</u>
Investigator: <u>TAJ, SC</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right">Yes No</span>	Community ID: <u>UPLAND</u> Transect ID: <u>WTC 89 R 1 A</u> Plot ID: <u>-552</u>
Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes No</span>	
Is the area a potential Problem Area? <span style="float:right">Yes No</span> (If needed, explain on reverse.)	

**VEGETATION**

UPLAND Forest (Decid)

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 70% Shrub: 40% Herb: 75% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. RED maple	T/S	FAC	9. Red Stemmed G. Red	H	FAC
2. GRAY Birch	T/S	FAC	10. <u>Wooden</u>	H	FAC
3. TRAILER fern	H	FACU	11. <u>Blackberry</u>	T/S	FACU
4. L.B. Blackberry	H	FACU-	12.		
5. Canada Lily	H	FAC-	13.		
6. Runch berry	H	FAC-	14.		
7. <u>Blackberry</u>	H	FAC	15.		
8. H.B. Blackberry	S	FACW-	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 7/18/06  
 Community ID: UPIANJ  
 Plot ID: WTG-BSR1A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0 → 12	A	10YR 4/3	—	—	SILT LOAM
12 → 18	B	10YR 6/1	10YR 5/4	COMMON/MEDIUM/DISTINCT	SILTY CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: HYDRIC SOILS 12"-18"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

AR-3A  
wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>BH RD</i>	Date: <i>9/20/05</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <i>PEM WETLAND</i> Transect ID: <i>AR-3A</i> Plot ID: <i>SS 2</i>							

**VEGETATION**

Plant Community Classification: <i>PEM</i>									
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>10</i> Herb: <i>100</i> Vine: <i>0</i>									
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator				
1. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW</i>	9. <i>Rush Aster</i>	<i>H</i>	<i>OBL</i>				
2. <i>Steeple Bush</i>	<i>S</i>	<i>FACW</i>	10. <i>CAREX CINOSA</i>	<i>H</i>	<i>OBL</i>				
3. <i>Poa meadow grass</i>	<i>H</i>	<i>FACW</i>	11. <i>CAREX LINDA</i>	<i>H</i>	<i>OBL</i>				
4. <i>New York Aster</i>	<i>H</i>	<i>FACWT</i>	12. <i>CAREX WIPINDIDES</i>	<i>H</i>	<i>OBL</i>				
5. <i>Soft Rush</i>	<i>H</i>	<i>FACWT</i>	13. <i>MORH ST JHM WWT</i>	<i>H</i>	<i>NOT LISTED</i>				
6. <i>Jewel weed</i>	<i>H</i>	<i>FACW</i>	14. <i>Dune Set</i>	<i>H</i>	<i>FACWT</i>				
7. <i>Sensitive fern</i>	<i>H</i>	<i>FACW</i>	15. <i>ACONITUM TERTIUM</i>	<i>H</i>	<i>OBL</i>				
8. <i>Willow herb - narrow leaved</i>	<i>H</i>	<i>OBL</i>	16. <i>RATTLESNAKE GRASS</i>	<i>H</i>	<i>OBL</i>				
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>									
Remarks:									
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><i>WETLAND VEGETATION PRESENT</i></td> <td style="width: 50%;"><i>17. Spike Rush</i></td> </tr> <tr> <td style="width: 50%;"><i>- DIVERSE -</i></td> <td style="width: 50%;"><i>18. Iris sp.</i></td> </tr> </table>						<i>WETLAND VEGETATION PRESENT</i>	<i>17. Spike Rush</i>	<i>- DIVERSE -</i>	<i>18. Iris sp.</i>
<i>WETLAND VEGETATION PRESENT</i>	<i>17. Spike Rush</i>								
<i>- DIVERSE -</i>	<i>18. Iris sp.</i>								

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>6" in places</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0"</i>	Remarks:



**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/1	-	-	SANDY SILT
3-6	B	2.5Y 4/1	-	-	SANDY SILT
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  REFUSAL OF AIR AT 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? Yes No
Remarks			

AR3A upland

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <u>ISA, RD</u>	Date: <u>9/2/05</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>Early Successional</u> Transect ID: <u>AR3A-upland</u> Plot ID: <u>AR3A-SSI</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>5%</u> Shrub: <u>35</u> Herb: <u>100</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Green Risch</u>	<u>S</u>	<u>FAC</u>	9. <u>Moss</u>	<u>H</u>	<u>unknown</u>
2. <u>(Pine-stemmed) C. ROSS</u>	<u>H</u>	<u>FAC</u>	10. <u>American Mt. Ash</u>	<u>T</u>	<u>UPL*</u>
3. <u>Grass sp.</u>	<u>H</u>	<u>unknown</u>	11.		
4. <u>Wild MADDER</u>	<u>H</u>	<u>UPL*</u>	12.		
5. <u>meadow sweet</u>	<u>S</u>	<u>FAC+</u>	13.		
6. <u>Narrow-leaf Goldenrod</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Wood Sorrel</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Wild SHAWBERRY</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>picture # 20 looking north towards wetland AR3A</u>					
* - NOT LISTED					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>—</u>  Depth to Free Standing Water in Pit (in.): <u>—</u>  Depth to Saturated Soil (in.): <u>&gt; 6 inches</u>	
Remarks:	



AR-3B  
Wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator:	Date: 9/20/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: PSS/DEM wetland Transect ID: AR-3B- Plot ID: SSI

**VEGETATION**

Plant Community Classification: PSS/DEM  
 Percent Canopy Cover: Tree: 0 Shrub: 60% Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alder (sprawled)	S	FACW+	9. Iris sp	A	not listed
2. Meadow Sweet	S	FAC+	10. Horse tail	H	not listed
3. Steep Bush	S	FACW	11. SPHAGNUM moss	H	not listed
4. Sensitive Fern	H	FACW	12. Fowl meadow Grass	H	FACW
5. Jewel weed	H	FACW	13. NORTHERN BULRUSH	A	OBL
6. NY Aster	H	FACW+	14. Flat-topped Aster	H	FACW
7. Runcus Effusus	H	FACW+	15.		
8. Carex crinita	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: WETLAND VEGETATION PRESENT  
- DIVERSE -

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-2/1			Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Circle)
Yes No			
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR-3B  
upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH, RD	Date: 9/20/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 20px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 20px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 20px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: upland forest Transect ID: AR-3B-upl Plot ID: AR-3B-SS2

**VEGETATION**

Plant Community Classification: *Upland forest*

Percent Canopy Cover: Tree: *100%* Shrub: *25%* Herb: *<5%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Norway Spruce	T	VPL*	9. (Cherry)		
2. White Pine	T	FACW	10. (Maple)	T	
3. Balsam Fir	T	FAC	11. (Sycamore)		
4. Northern White Cedar	T/S	FACW	12.		
5. Low Bush Blueberry	S	FACW-	13.		
6. Club moss	H	FAC	14.		
7. Wood Fern	H	FAC	15.		
8. Dutchman's Pipe	H	FAC-	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *50%*

Remarks: picture # 19 looking North towards wetland AR3B \* - not listed  
 Note: Gray Birch, Yellow Birch (20) maple occurred in TREE STRATA AS sub dominant

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input checked="" type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated in upper 12 inches</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil Survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>—</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>—</i></p> <p>Depth to Saturated Soil (in.): <i>7/2"</i></p>	<p>Remarks:</p>

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	2.5YR-7/4	—	—	Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <i>rotisol at 12 inches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No (Circle)	
Wetlands Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	Is this Sample Station Point Within a Wetland? Yes No (Circle)
Remarks			



TETRA TECH

SUBJECT Zilka

Clinton

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/20/05 PAGE 4 OF 5 PAGES

W615-1B-SS2 (upland)

- fallow field.  
100% hab across up

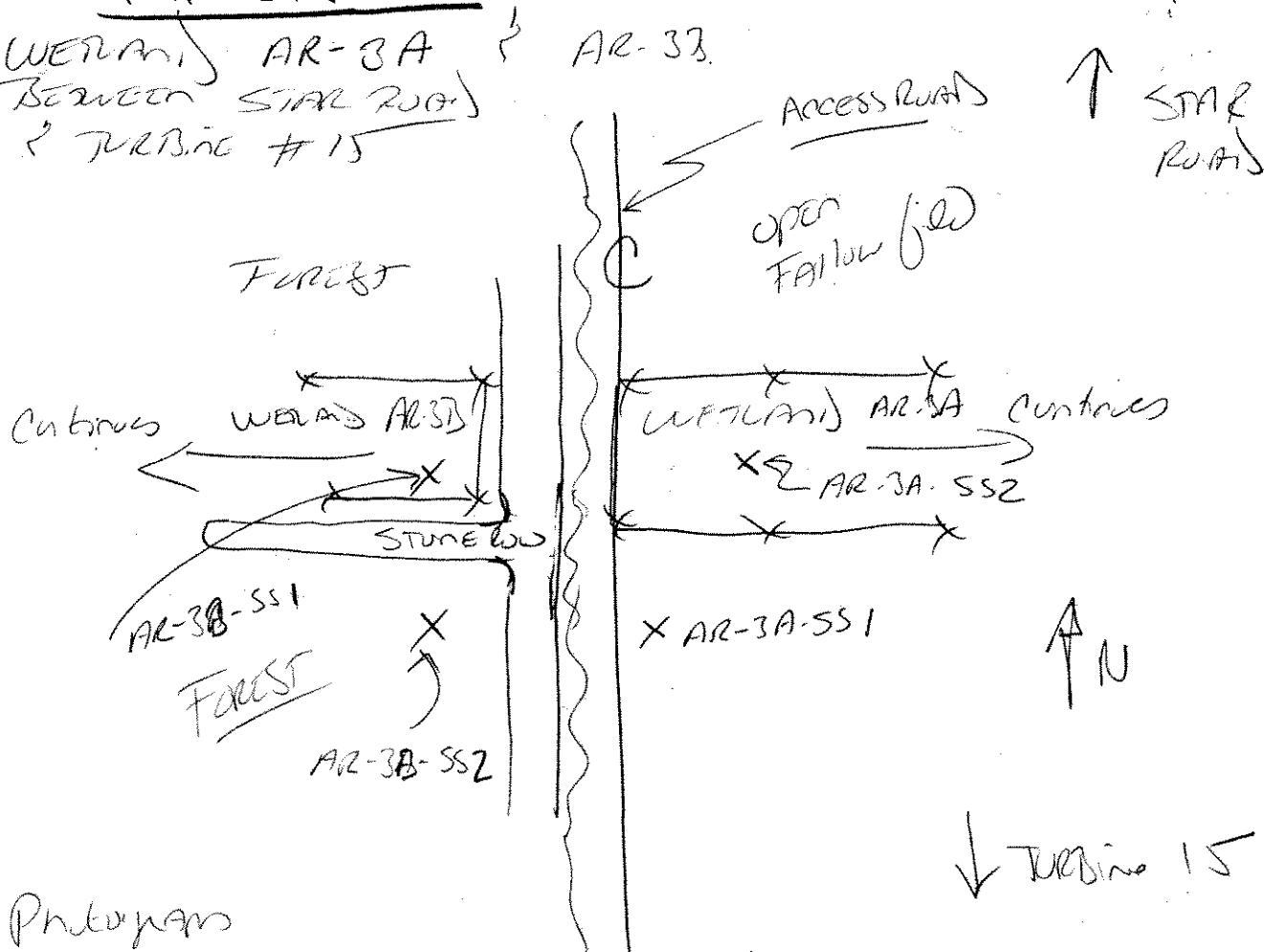
- VEG:
- Golden Rod
  - Aster sp
  - NY ASTOR
  - Timothy
  - VA. Creeper
  - narrow leaf Golden rod

Roll 1 photo 6 => WEST AT SS1 (wetland)  
 photo 7 => EAST AT SS2 (upland)

AR 3A & B

Wetland AR-3A  
 between STAR ROAD  
 & TURBINE #15

AR-3B



Photogram

Roll 1 photo 8 => N at 3A wet cup

Roll 1 photo 9 => N at 3B wet cup



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County IELLENBURG</i> Applicant/Owner: <i>HORIZON RENEWABLE ENERGY</i> Investigator: <i>R. DELAMONTE</i>	Date: <i>9/25/05</i> County: <i>Clinton</i> State: <i>NEW YORK</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>PEM WETLANDS</i> Transect ID: <i>AR4</i> Plot ID: <i>SSI</i>

**VEGETATION** *Active Cow PASTURE*

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <input type="checkbox"/> Shrub: <input type="checkbox"/> Herb: <i>80%</i> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. NY ASTER</i>	<i>H</i>	<i>FACW+</i>	<i>9.</i>		
<i>2. Polygonum hydropiper</i>	<i>H</i>	<i>OBL</i>	<i>10.</i>		
<i>3. CAREX SUPPURA</i>	<i>H</i>	<i>FACW</i>	<i>11.</i>		
<i>4. BARNYARD GRASS</i>	<i>H</i>	<i>FACW</i>	<i>12.</i>		
<i>5. Dark leaf BULLRUSH</i>	<i>H</i>	<i>OBL</i>	<i>13.</i>		
<i>6. GRASS SP.</i>	<i>H</i>	<i>Unknown</i>	<i>14.</i>		
<i>7. Juncus Elysius</i>	<i>H</i>	<i>FACW+</i>	<i>15.</i>		
<i>8</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks: <i>Remaining SURFACE AREA (20%) DEAD VEGETATION UNDER SOIL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt;18"</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 9/25/05  
 Community ID: WETLANDS AK4  
 Plot ID: SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-7	A	10YR 3/2	2.5Y 6/8	Few/Coarse/Prone	Clay silt loam *
7-18	B	2.5Y 4/3	7.5Y 2 5/8	Few/Fine/Distinct	Clay silt loam **

- Hydro Soil Indicators**
- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**  
 \* - OXIDIZED Root Channels in 0-7 horizon  
 \*\* - WIGGILL  
 NOTE: Soils disturbed

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Clinton County Ellenburg</u> Applicant/Owner: <u>Horton Renewable Energy</u> Investigator: <u>R. DeAngelis</u>	Date: <u>9/25/05</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLA11</u> Transect ID: <u>AR4</u> Plot ID: <u>552</u>

**VEGETATION** OPEN Cow PASTURE

Plant Community Classification:  
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Creeping Buttercup</u>	<u>H</u>	<u>FAC</u>	9. <u>Tall Yellow Grass</u>	<u>H</u>	<u>FACU</u>
2. <u>Fall Dandelion</u>	<u>H</u>	<u>UPL*</u>	10. <u>Yarrow</u>	<u>H</u>	<u>FACU</u>
3. <u>Common Plantain</u>	<u>H</u>	<u>FACU</u>	11. <u>Trumpet Shaped Gullweed</u>	<u>H</u>	<u>FAC</u>
4. <u>PAPA RUSH</u>	<u>H</u>	<u>FAC-</u>	12. <u>Tall Golden Rod</u>	<u>H</u>	<u>FACU-</u>
5. <u>White Clover</u>	<u>H</u>	<u>FACU-</u>	13. <u>Wild Madder</u>	<u>H</u>	<u>UPL*</u>
6. <u>Red Clover</u>	<u>H</u>	<u>FACU-</u>	14.		
7. <u>Cow Vetch</u>	<u>H</u>	<u>UPL*</u>	15.		
8. <u>Timothy</u>	<u>H</u>	<u>FACU</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 15%

Remarks:  
\* - NOT LISTED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 9/25/05  
 Community ID: ORMI  
 Plot ID: AR4-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	7.5YR 2.5/2	7.5YR 4/6	Few/Fine/Faint	SILT loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

(REFUSAL OF Aqca AT 8")

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks



TETRA TECH

SUBJECT Zilcha

Clatm

PROJECT \_\_\_\_\_

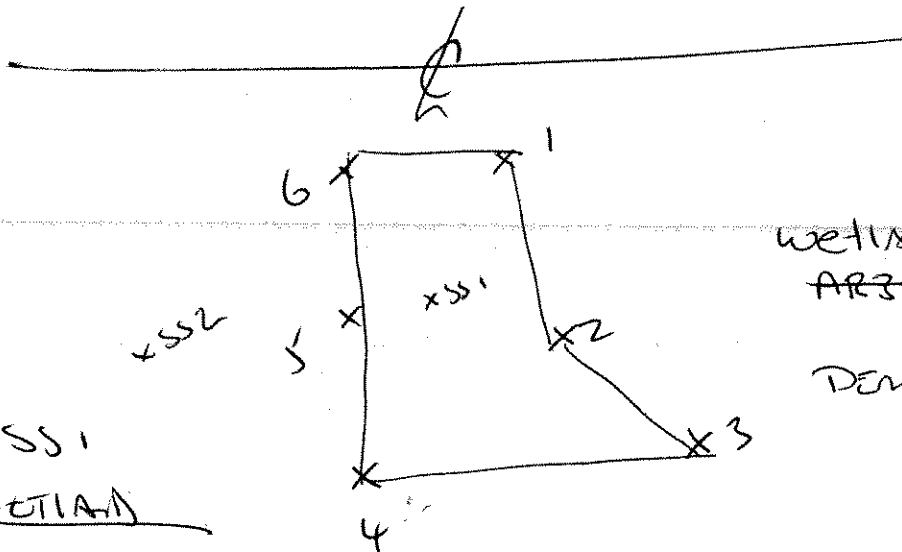
TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/25/05 PAGE 1 OF 6 PAGES

AR4A

→ N



wetland  
AR3 AR4

DEM

AR4A  
AR3A-SS1  
DEM WETLAND

VEG.

- Polygonum sp.
- Carex sp.
- NY ASTER
- ISRAEL YARD GRASS
- Dark green Bull Rush
- grass sp.
- Soft Rush

NOTE: AS in cow  
pasture - check out  
big

photo

Roll 2 photo 21  
⇒ Nat upland  
'wetland

AR4A-SS2  
~~AR3A-SS2~~  
upland - open cow pasture

- Juncus (fall)
- Asteraceae sp.
- Common plantain
- Pain Rush
- white clover
- cow VETCH
- Timothy
- grass sp.

- yellow
- Red clover
- Buttercup ~~sp~~ CORRECTION
- wild mustard
- Golden Rod ~~sp~~ - Rough stemmed  
TALL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR-5A  
wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH RD	Date: 9/25/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
Community ID: WETLAND Transect ID: AR5 Plot ID: 551	

Rural - Cane

**VEGETATION**

Plant Community Classification: POM  
 Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Arrow LEAF T Herb	H	OBL	9. LARGE LEAF GOLDEN	H	FAC
2. Willow herb	H	OBL	10. <del>GRASS</del> sp.	H	
3. Carex sp. <u>spinescens</u>	H	FACW+	11. Meadow Sweet *	S	FAC+
4. Carex <u>Wrightii</u>	H	OBL	12. Stickle herb *	S	FACW
5. Carex <u>curvata</u>	H	OBL	13. Field Meadow grass	H	FACW
6. Dark green <u>bulrush</u>	H	OBL	14.		
7. J. <u>sp.</u>	H	FACW+	15.		
8. <u>weed</u>	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
\* Along periphery of wetlands Along Stone Row.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>—</u> Depth to Free Standing Water in Pit (in.): <u>—</u> Depth to Saturated Soil (in.): <u>10</u>	

Remarks:  
Roll 2 photo 20 => north east

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-3/2	7.5YR-4/6	Common fine / distinct	Silty loam

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

*refused at benches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
Wetlands Hydrology Present?  
Hydric Soils Present?

Yes No  
Yes No  
Yes No

(Circle)

Is this Sample Station Point Within a Wetland?

(Circle)

Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

ARSA  
upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH, RD	Date: 9/25/05 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
	Community ID: UPLAND Transect ID: ARS Plot ID: 552						

**VEGETATION**

Plant Community Classification: TALLOW FIELDS					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Solidago (LATE)	H	FACW	9.		
2. Solidago (LATE-LEAF)		FAC	10.		
3. Tough Stem Goldenrod		FAC	11.		
4. Wild Madder		UPL*	12.		
5. Timothy		FACU	13.		
6. grass spp.		unknown	14.		
7. Cow vetch		UPL*	15.		
8. Virginia creeper	V	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 43%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): —  Depth to Free Standing Water in Pit (in.): —  Depth to Saturated Soil (in.): > 18"	
Remarks:	



ADR-5A  
upland

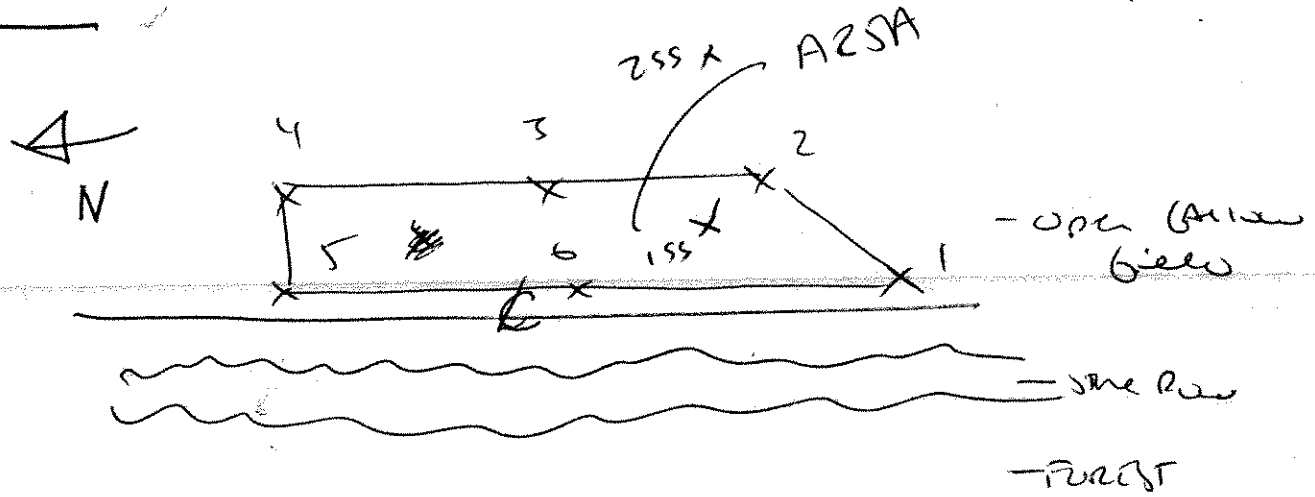
**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	7.5YR-4/3			silt loam
12-18	A <sub>1</sub>	7.5YR-5/6	7.5YR-5/9	Common/coarse/distinct	clay silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No	(Circle)	
Hydric Soils Present?	Yes	No	(Circle)	Is this Sample Station Point Within a Wetland? Yes No
Remarks				

ARSA-SSI - WENAM - PEN



SSI - WENAM

VEG:

- Arrow leaved TEAR TUB
- willow herb (purple leaved)
- CAREX sp. (intumescence)
- Dark green bell
- J. EGGS
- Carex cincta
- buckwheat
- lance leaved golden rod
- grass sp.
- Carex lucida

- meadow sweet
- STEEPLE bush

SS2 - upland

- wild madder
- R-stemmed goldenrod
- Timothy
- Solirigo sp 1 (LANCE-LEAVED)
- Solirigo sp 2 (LATE)
- grass sp
- Cow vetch
- VA creeper

10/12 photo to  
 => NEAT

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR-6A  
wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH, RD	Date: 9/25/05 County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Community ID: PEA Transect ID: AR6 Plot ID: SSI									

**VEGETATION**

Road side ditch

Plant Community Classification: PEA					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Phragmites	H	FACW	9.		
2. Cattails	H	OBL	10.		
3. Lance leaf goldenrod	H	FAC	11.		
4. Grass sp.	H	Unknown	12.		
5. Queen Ann's Lace	H	UPL*	13.		
6. Saururus sp.	H	UPL	14.		
7. Rye?	H	FACU-	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 57%

Remarks:

grass Veg w burdock 50/50 mix  
\*-not listed

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): -  Depth to Free Standing Water in Pit (in.): 6 in  Depth to Saturated Soil (in.): 0	
Remarks: picture 10/2 - #19 => east	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	2.5Y-4/3			Sand
6-18"	A <sub>1</sub>	5Y-4/1	10YR 4/6	many / med / faint	Sandy silt w/ clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: drainage ditch					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		Is this Sample Station Point Within a Wetland? Yes No
Remarks			
NOTE: UPLAND Soils & Veg Same as AR4A-SS2 <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; margin-left: 200px;">           - USE AR4-SS2 FOR UPLAND STATION         </div>			

NOTE:

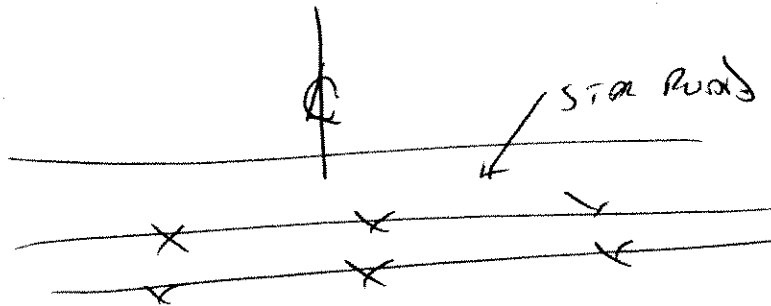
FOREST TO WEST OF WETLAND ARSA included.

- NORWAY spruce T/S
- NORTH WHITE cedar T/S
- C.B. Bluetz S
- SERICE veg S
- Red maple T
- Speckled Cedar S
- White pine T
- Q ASPEN T
- GRAY birch T/S

AR 6A - Road side ditch

~ 2m wide to South of state road

Photos:  
 Roll 2  
 Photo #19  
 → EAST



upland soils & veg  
 same as AR4A-52

veg: 10090 herb.

- Phragmites
- Cattail
- Large leaved goldenrod

- Soils ✓
- Veg 5950
- Hydro - ditch ✓

- grass sp.
- Rye?
- Smilax
- Q. n. s. 1 ALL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/3/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Other</u> Transect ID: Plot ID: <u>ARL6-A SSI</u>

**VEGETATION**

Plant Community Classification: <u>Food drainage</u>					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <u>100</u> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Dryadites australis</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Spiraea latifolia</u>	<u>H</u>	<u>FAC+</u>	10.		
3. <u>Grass sp.</u>	<u>H</u>		11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100 %</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>8"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Road side drainage runs E + W. Drains Fields from N + S. and road runoff.</u>	

Date: 5/3/07  
 Community ID: PEM  
 Plot ID: AR6-A-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	D	10YR 3/1			Organic + roots
2-10	A	10YR 5/2	10YR 5/8	Many/coarse/Distinct	Sandy clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input checked="" type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal @ 10"  
 Roadside gravel within 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks photo 9 => E

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: ARU-A-SSA

**VEGETATION**

Plant Community Classification: Road side  
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sweet white clover	H	FACU	9.		
2. Phleum pratense	H	FACU	10.		
3. Taraxacum repense	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 5/3/07  
 Community ID: UPL  
 Plot ID: AR 6-A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6"	A				Gravel/Fill

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal @ 6"  
 Soil located on shoulder of road is very compacted. Every sample consisted of fill and gravel. No matrix observed.

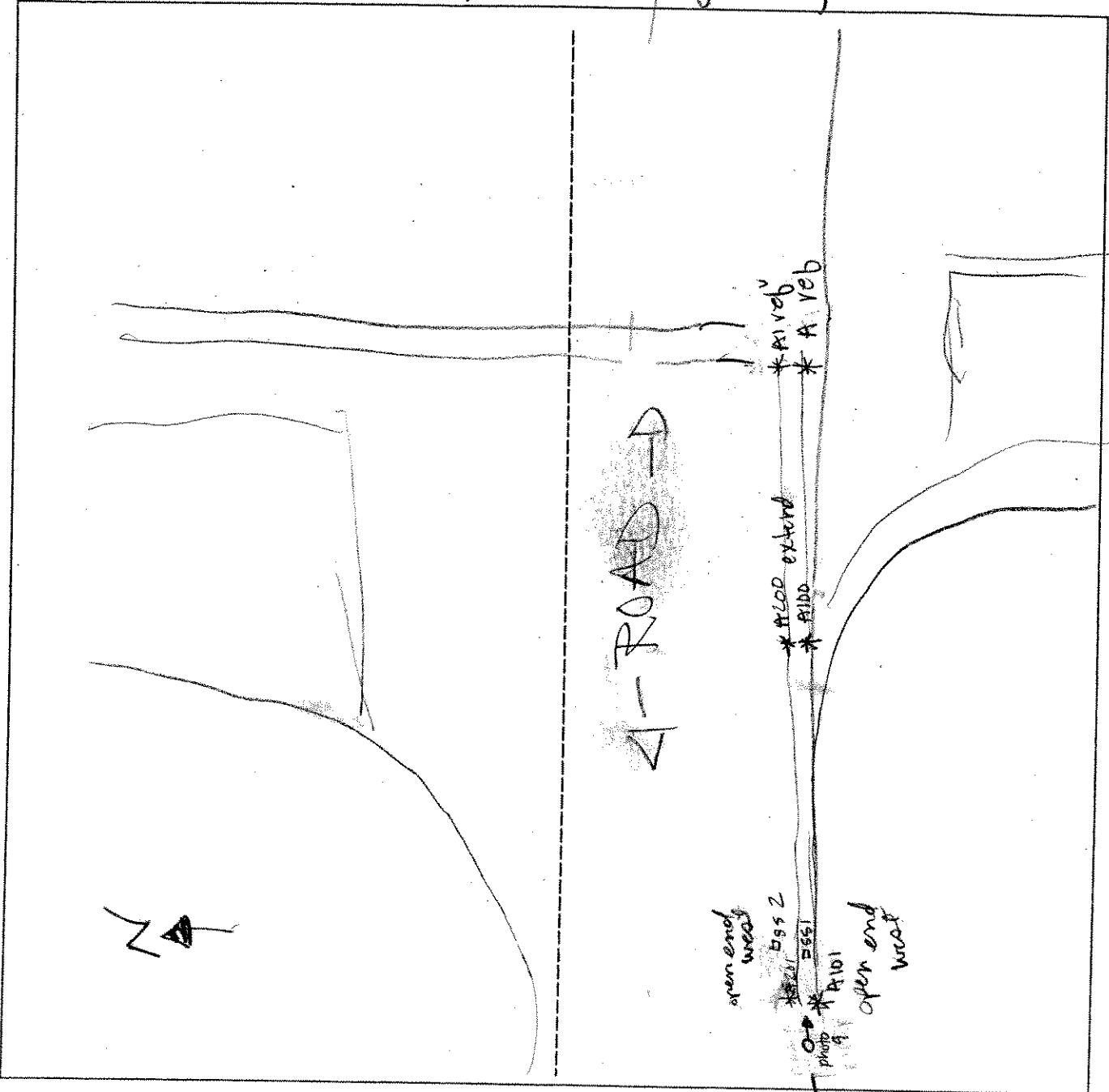
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR1e A EXTENSION</b>	Date: <b>8 May 07</b>	Time:
Initials of Delineators: <b>JV-AP</b>	Location: <b>AR1e A</b>	
Roll #:	Frames: <b>photo 9 by #201: #101 facing East down Road</b>	



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Clinton County - Ellenburg	Date: 9/30/05
Applicant/Owner: Horizon	County: CLINTON
Investigator: Deanna	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLAND Transect ID: AR11 Plot ID: SS-1
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *Wet Meadow (Wetland)*

Plant Community Classification: Tree:  Shrub: 10% Herb: 100% Vine:

Percent Canopy Cover: Tree:  Shrub: 10% Herb: 100% Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. CAREX SP.	H	unknown	9.		
2. J. ELEGANS	H	FACW+	10.		
3. DK GRASS BULLRUSH	H	OBL	11.		
4. STEEPLE BUSH	S	FACW	12.		
5. Common PLANTAIN	H	FACW	13.		
6. Buttercup (creeping)	H	FAC	14.		
7. LACE-LEAFED SPIDERWEED	H	FAC	15.		
8. FLAT Topped ASTER	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 88%

Remarks:  
*WETLAND VEG PRESENT*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): $\emptyset$ Depth to Free Standing Water in Pit (in.): $>18''$ Depth to Saturated Soil (in.): $0''$	
Remarks: <i>WETLAND Hydrology PRESENT</i>	

Date: 9/30/05  
 Community ID: WECLM1  
 Plot ID: AR11-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 3/1	-	-	Silty Clay loam *
7-18	B	10YR 5/2	10YR 5/6	many/med/2mm	Silty Sand w/ clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 \* OXIDIZED RHIZOSPHERES in A Horizon  
 Hydric Soil Present

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Clinton County - Ellen Burr</u> Applicant/Owner: <u>HURON</u> Investigator: <u>DELAHUNTY</u>	Date: <u>9/30/05</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR 11</u> Plot ID: <u>552</u>

**VEGETATION**

FOREST / OPEN Transition W/UBA

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>20%</u> Shrub: <u>40%</u> Herb: <u>10%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. MEADOW SWEE	S	FACW	9. Tall Dogwood	H	UPL*
2. STEERIE BUSH	S	FACW	10. CREEPING BUTTBUSH	H	FACW
3. GREAT BIRCH	S	FAC	11. L. ARROW	H	FACW
4. SUGAR MAPLE	T/B/H	FACW	12. Common Plantain	H	FACW
5. BULL THISTLE	H	FACW	13. APPLE	T	UPL*
6. R.S. GOLDENROD	H	FAC	14.		
7. LATE GOLDENROD	H	FACW	15.		
8. Timothy	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>38%</u>					
Remarks: <u>UPLAND VEG Dominant</u>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p> <p>Field Observations:          Depth of Surface Water (in.): <u>N/A</u>          Depth to Free Standing Water in Pit (in.): <u>N/A</u>          Depth to Saturated Soil (in.): <u>N/A</u></p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Remarks: <u>WET Hydro Absent</u>	

Date: 9/30/05  
 Community ID: UPLANDS  
 Plot ID: AR11-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6"	A	10YR 3/2	—	—	CLAY DAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 REFUSAL OF Azege AT 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Clinton County - ELLENBURG	Date: 9/30/05
Applicant/Owner: HORTON	County: Clinton
Investigator: DELAHUNTY	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLANDS Transect ID: AR 11 Plot ID: 553
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PERM WETLAND*

Plant Community Classification:					
Percent Canopy Cover:		Tree: 50% Shrub: 29% Herb: 100% Vine: 0			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. NEW YORK ASTER	H	FACW	9. Willow herb	H	OBL
2. SOFT RUSH	H	FACW	10. Cynox CANADA	H	OBL
3. STEBBIE RUSH	S	FACW	11. FEN MEADOW GRASS	H	FACW
4. DK GRN BULLRUSH	H	OBL	12. Lemna	H	OBL
5. M BAYON SWEET	S	FACW	13. PONY WORT	H	OBL
6. LARG-LEAVED GOLDENRUE	H	FAC	14. AMBL ELM	T	FACW
7. TWEED RICE	H	FACW	15. SILKY WILLOW	S	OBL
8. ARROW LEAVED TEALAND	H	OBL	16. TRAIL WILLOW	S	FACW
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: WETLANDS VEG PRESENT DIVERSE VEG					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 6" in places Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: WETLANDS Hydrology Present	

Date: 9/30/05  
 Community ID: WERANJ  
 Plot ID: AR11-SS3

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR2.5/2	—	—	SANDY STFLWAM

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County - Ellenburg</i>	Date: <i>9/30/05</i>
Applicant/Owner: <i>HURTON</i>	County: <i>Clinton</i>
Investigator: <i>DELAUNTY</i>	State: <i>NEW YORK</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>UPLAND</i> Transect ID: <i>AR11</i> Plot ID: <i>554</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *UPLAND* *LOW PASTURE & TREE LINE*

Plant Community Classification:		Tree: <i>60%</i>	Shrub: <i>50%</i>	Herb: <i>80%</i>	Vine: <i>0</i>
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED SPRUCE</i>	<i>T</i>	<i>FACU</i>	9. <i>CREeping BUTTERCUP</i>	<i>H</i>	<i>FAC</i>
2. <i>STAGHORN SUMAC</i>	<i>S</i>	<i>UPL*</i>	10. <i>MEADOW SWEET</i>	<i>S</i>	<i>FAC+</i>
3. <i>Sugar maple</i>	<i>T/H/H</i>	<i>FACU-</i>	11. <i>TRIK CHERRY</i>	<i>T</i>	<i>FACU</i>
4. <i>HAWTHORN</i>	<i>S</i>	<i>UPL*</i>	12.		
5. <i>NORWAY SPRUCE</i>	<i>T</i>	<i>UPL*</i>	13.		
6. <i>SERVICE BERRY</i>	<i>S</i>	<i>UPL*</i>	14.		
7. <i>H.T.S. BLACKBERRY</i>	<i>S</i>	<i>FACU-</i>	15.		
8. <i>BRAN SP</i>	<i>H</i>	<i>-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>18%</i>					
Remarks: <i>* NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 9/30/05  
 Community ID: UPLANI  
 Plot ID: AR11-554

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4"	A	7.5YR 3/2	—	—	SANDY SILT lo am

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

REFUSAL of Angel At 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

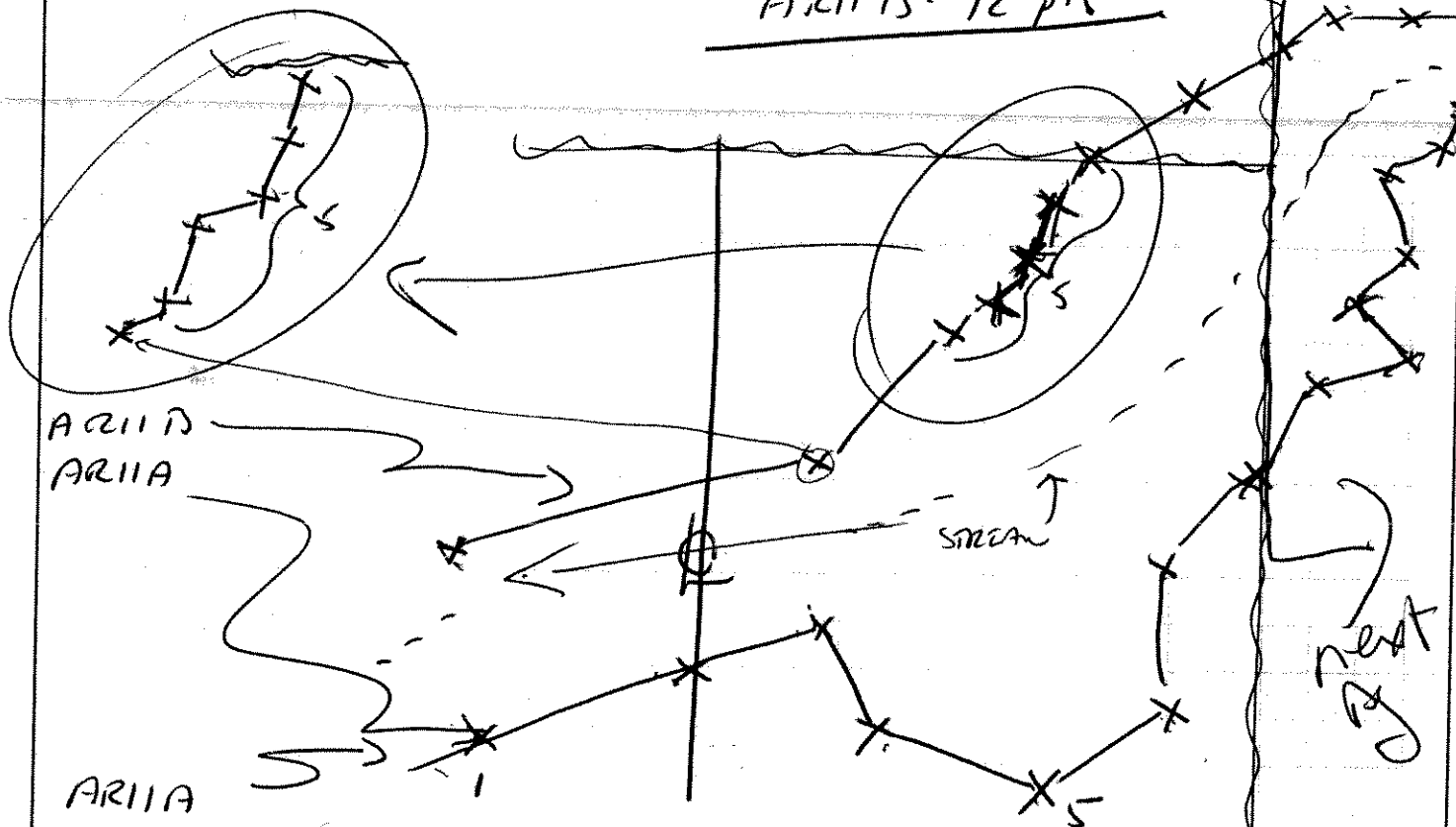
Remarks

1030 - Returned to last photo to ID

1040 - AT TURBINE # location - continued south along proposed access road

AR11A - 16 pts.

AR11B - 12 pts



NOTES water flows SW → SE

VEG: SS3

- NEW YORK ASTER H
- Sky Rush H
- STEEPLEBUSH S
- DK GRN BELL RUSH H
- meadow sweet S
- NARROW GOLDENROD H
- Jewelweed H
- Arrowweed TEAM H
- Unknown Herb H

- willow herb (P. 100) H
- Amex cinnam H
- ~~meadow sweet~~ H
- LENA (decid.) H
- water penny? clem? HK
- Amer elm TIS
- Silky willow S
- Service berry S
- Densc willow S

← Fence

Penny weed



TETRA TECH

SUBJECT Zilcha catch

wellhead details

PROJECT Elcomrey

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 9/30/05 PAGE 5 OF 10 PAGES

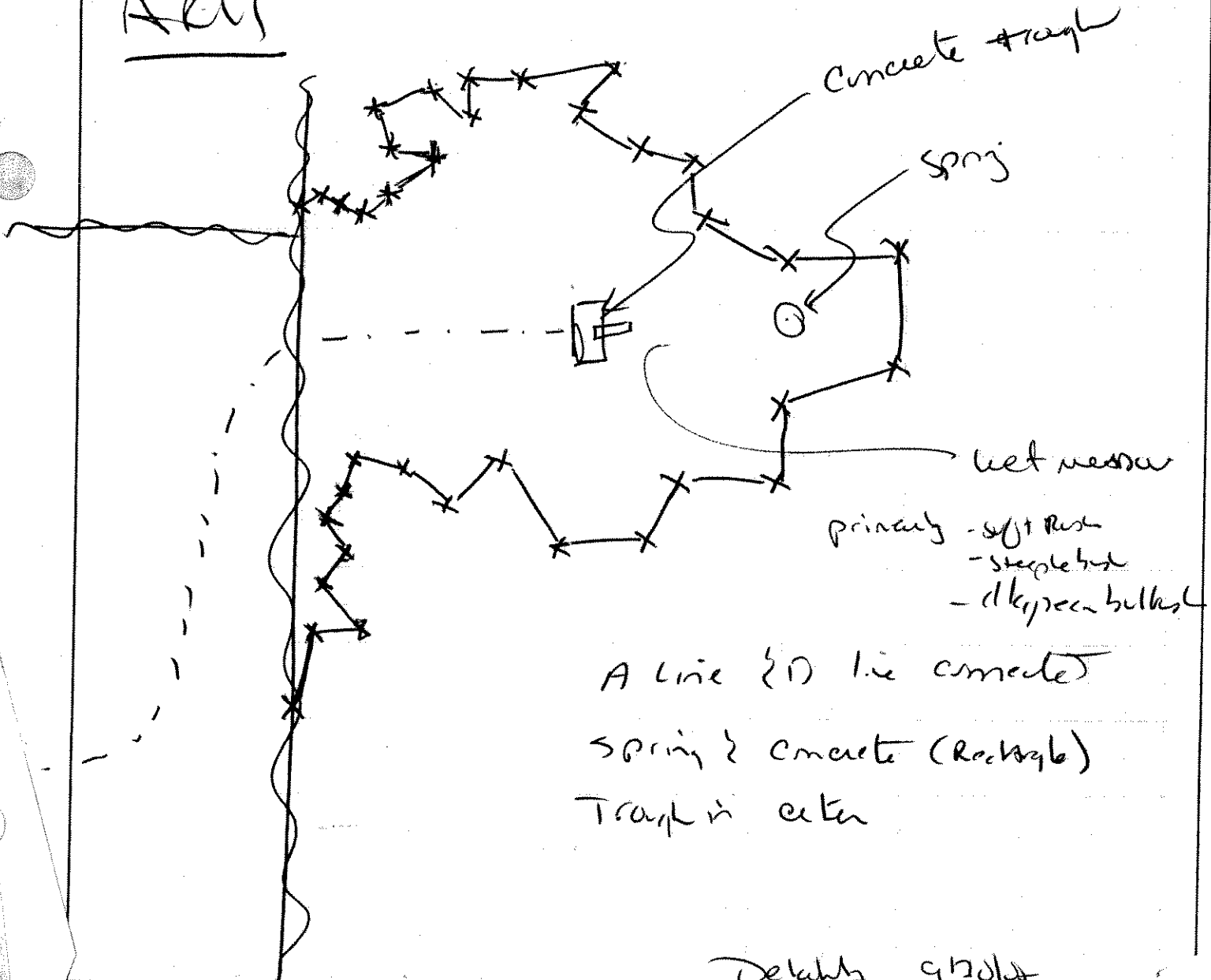
STREAM slow to moderate flow to east

- sandy silt loam substrate
- ~ 1.5' wide
- up to 4" deep

more depth to west as catch wellhead more defined

Primarily a pen wellhead. w/ scrub shrubs at perimeter  
Some scattered American elm

ARU





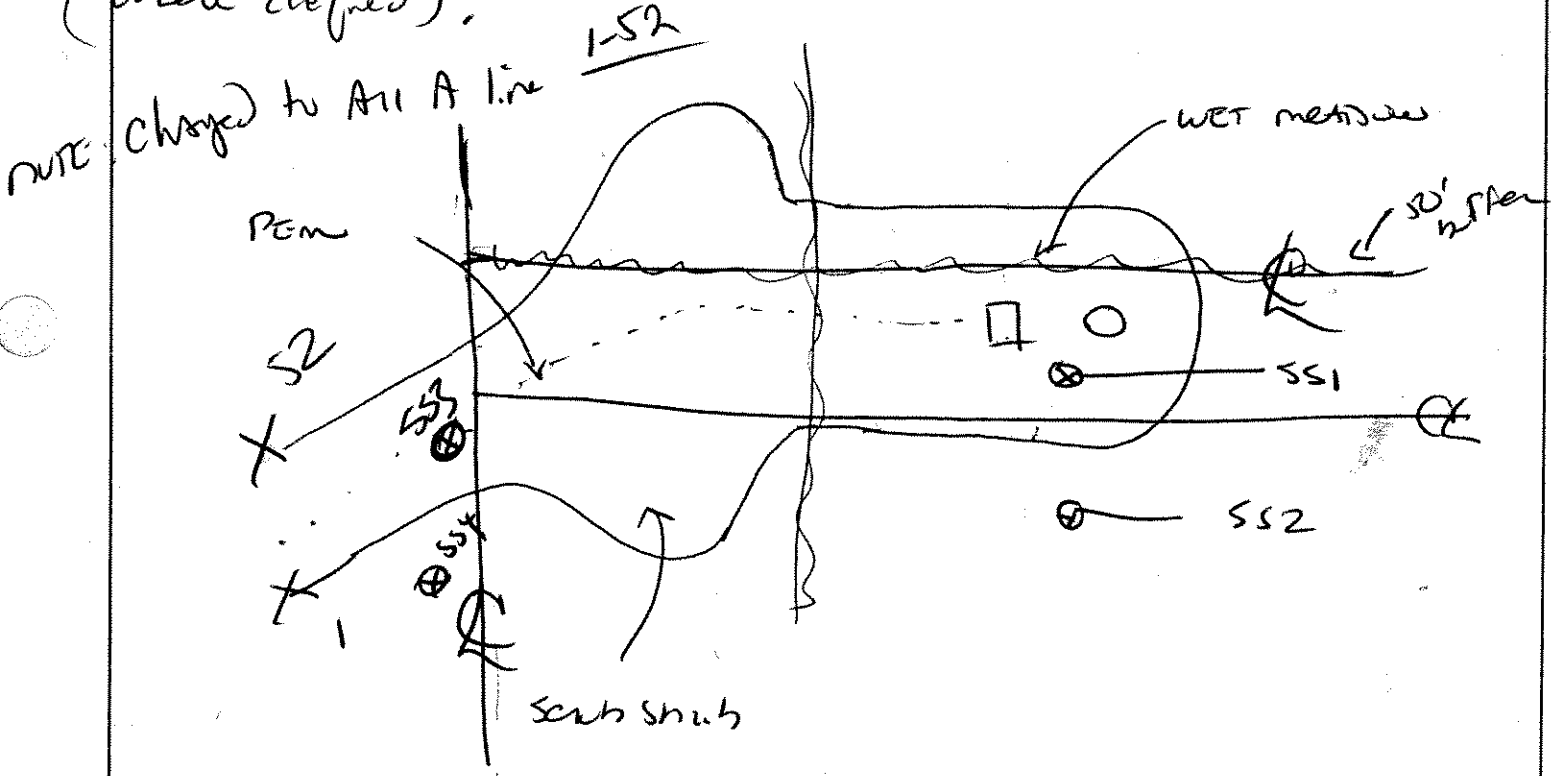
TETRA TECH

SUBJECT Zilks Creek  
wetland det.  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT Clunby  
TC/P NO. \_\_\_\_\_  
DATE 9/20/08 PAGE 6 OF 10 PAGES

AR11

- Topo in upper part of wetland by spring gully slope to SE then flattens out
- Veg in upper part (wetland). Dominated by Steep bank, DK green bullrush & soft rush in lower part more diversity - shrubs limited to periphery & along stream (where defined).



- SS1 -
- VEG:
- CAREX sp
  - J. Elymus
  - DK gm bullrush
  - Steep bank
  - Common plantain
  - Buttercup
  - narrow-leaved yellow
  - Flat-topped Aster
- \* OXIDIZED Rhizosphere

Soil"	Horiz
0-9	10YR 3/1 silt clay loam *
9-18	10YR 5/2 silt, sand w/ *
	10YR 5/6 muds
	Prominent / max / many
	- SANDY sub
	- AT 0"

Redwood, 1/1/08

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACO Wetlands Delineation Manual)

Project Site: <u>Clinton County</u> Applicant/Owner: <u>HORTON</u> Investigator: <u>DELAHANTY</u>	Date: <u>9/30/05</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
	Community ID: <u>WETLAN1</u> Transect ID: <u>AR12</u> Plot ID: <u>SS1</u>

**VEGETATION** Early - mid Successional Field

Plant Community Classification: <u>PEM1 PSS</u>	Tree: <u>0</u>	Shrub: <u>20%</u>	Herb: <u>100%</u>	Vine: <u>0</u>	
Percent Canopy Cover:					
<b>Dominant Plant Species</b>	<b>Stratum</b>	<b>Indicator</b>	<b>Dominant Plant Species</b>	<b>Stratum</b>	<b>Indicator</b>
1. MEADOW SWEET	S	FAC+	9.		
2. SLICK WILLOW	S	OBL	10.		
3. SCORPINE FERN	H	FACW	11.		
4. ORANGE CUNARD	H	OBL	12.		
5. LARGE-LEAVED GOLDENROD	H	FAC	13.		
6. JEWEL WEED	H	FACW	14.		
7. VIC-PLA-WEED	H	REFINES	15.		
8. FLAT TOPPED ASTER	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>100% - PEM</u> <u>20% - PSS</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0-2"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 9/30/05  
 Community ID: WETLANDS  
 Plot ID: AR12-SS1

**SOILS**

Map Unit Name (Series and Phase)  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
---	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR 7/2			SILT LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:  
 (Refuse of Area At 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No			
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No			

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Clinton County - Ellenburg	Date: 9/30/05
Applicant/Owner: Horton	County: Clinton
Investigator: DELAMATER	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: UPLAND Transect ID: AR12 Plot ID: 552
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: Tree: 80% Shrub: 80% Herb: 30% Vine: 0%

Percent Canopy Cover: Tree: 80% Shrub: 80% Herb: 30% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	T/S/H	FACU	9.		
2. White Birch	S	UPL*	10.		
3. Am Beech	T/S	FACU	11.		
4. Norway Spruce	S	UPL*	12.		
5. APPLE	T	UPL*	13.		
6. AMARANTH GULLERD	H	FACU	14.		
7. HD THACKER	S	FACU	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%

Remarks:  
\* NOT LISTED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	



Date: 9/30/05  
 Community ID: UPLAND  
 Plot ID: AR12-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	7.5YR 2.5-2	-	-	SITF UAW

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

FROM WETLANDS HEADQUARTERS WEST TO TURBINE #

ACCESS RUNS FROM WETLANDS TO TURBINE #

Crossings of early 1 min successive (per as described for Turbine # & forest).

Forest

- Silver maple T1S/H
- Red spruce T1S
- Gray birch T1S
- Club moss

- TRIE 90°12 CORN
- SHUB 70°90 CORN
- 1k4 < 540

Scrub maple generally < 6" DBH + few scattered > 12" DBH +  
Spruce generally > 8" DBH +

ACCESS RUNS FROM WETLANDS TO TURBINE #10

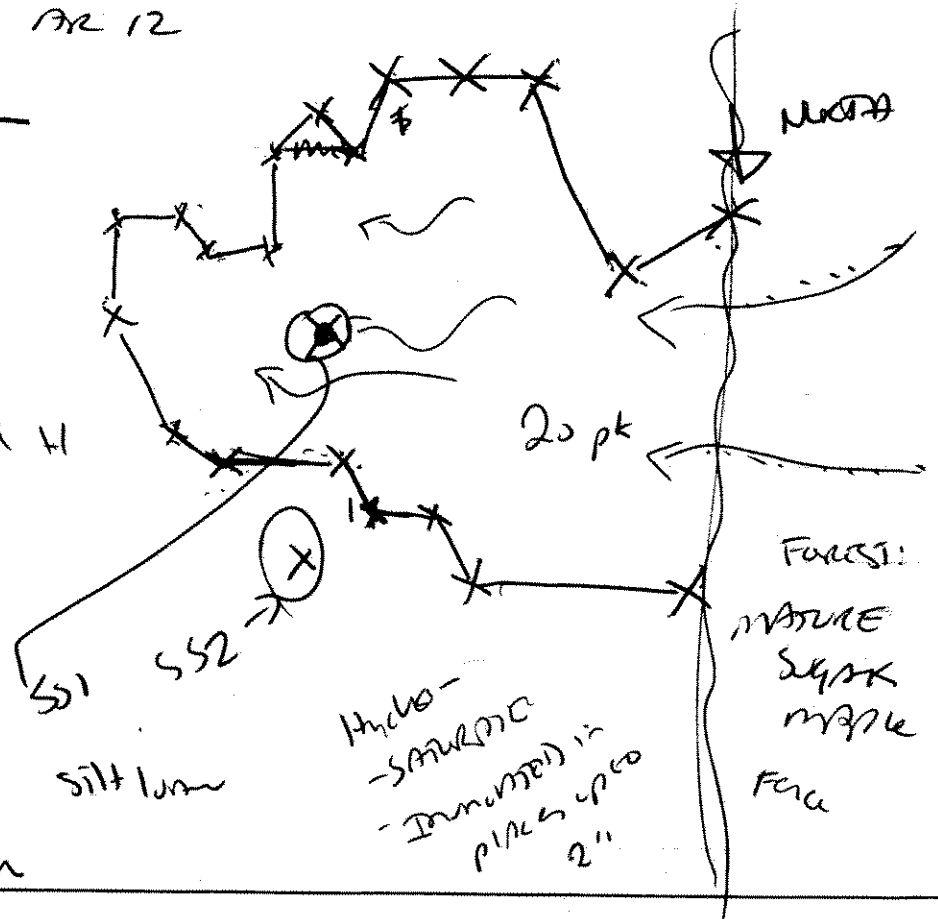
SEEP - ACCESS RUNS ARE 12

~~SSI - WETLANDS ARE 12~~

VEG: PEM/PS.  
100%10/20%10

- Sensitive fern H
- Carex crinita H
- meadowweet S
- Large leaf goldthread H
- silky willow S
- Jewelweed H
- Ice-plant H
- Flaxweed mtn H

Soil  
104R2/2 scattered silt loam  
0-8" - Ribbed by Aggr



Hydro-SATURATED - IMMUNED IN PLACES UP TO 2"

FOREST:  
MAPLE  
SILK  
MAPLE  
FERN

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <del>Ellenburg</del> <u>Urbana</u> Applicant/Owner: Horizon Renewable Energy Investigator: <u>J. Arnold, K. Hanson, S. Ryan</u>	Date: <u>6 Oct 2006</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No * Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 16A 55-1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Scirpus</u>	<u>Herb</u>	<u>OBL</u>	9.		
2. <u>Plantago major</u>	<u>Herb</u>	<u>FACW</u>	10.		
3. <u>Leonurus autumnalis</u>	<u>Herb</u>	<u>OBL</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
* Remarks: <u>Plowed field - most veg. obscured; Scirpus, Trilobium, Plantago on road edge, can't really use veg, or get below. Assume hydrophytes originally present because of obvious hydrology</u> <u>* NOT USED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 12</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>abrupt dip in topography - saturated to the surface, deep tractor tire cuts. Access road follows existing farm road, which is deeply compacted.</u>	

ART 16 A-351-1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10YR 3/2	—	5	3 silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: Plowed Ag horizon, thick rock below that  
 presume hydric based on topography + surrounding conditions

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle) Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
---------------------------------	---	--

Remarks: Ag field + farm road. Marginal, but appears to  
 have been a small wetland originally

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / Ellenburg <i>wind farm</i>	Date: 6 Oct 2005
Applicant/Owner: Horizon Renewable Energy	County: Clinton
Investigator: J. Arnt, K. Hannon, S. Ryan	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <b>AR16 A 55 2</b>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: $\emptyset$	Shrub: $\emptyset$	Herb: 100%	Vine: $\emptyset$
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phalaris arundinacea</i>	Herb	FACW+	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>100%</b>					
Remarks: <b>100% PHAR.</b>					

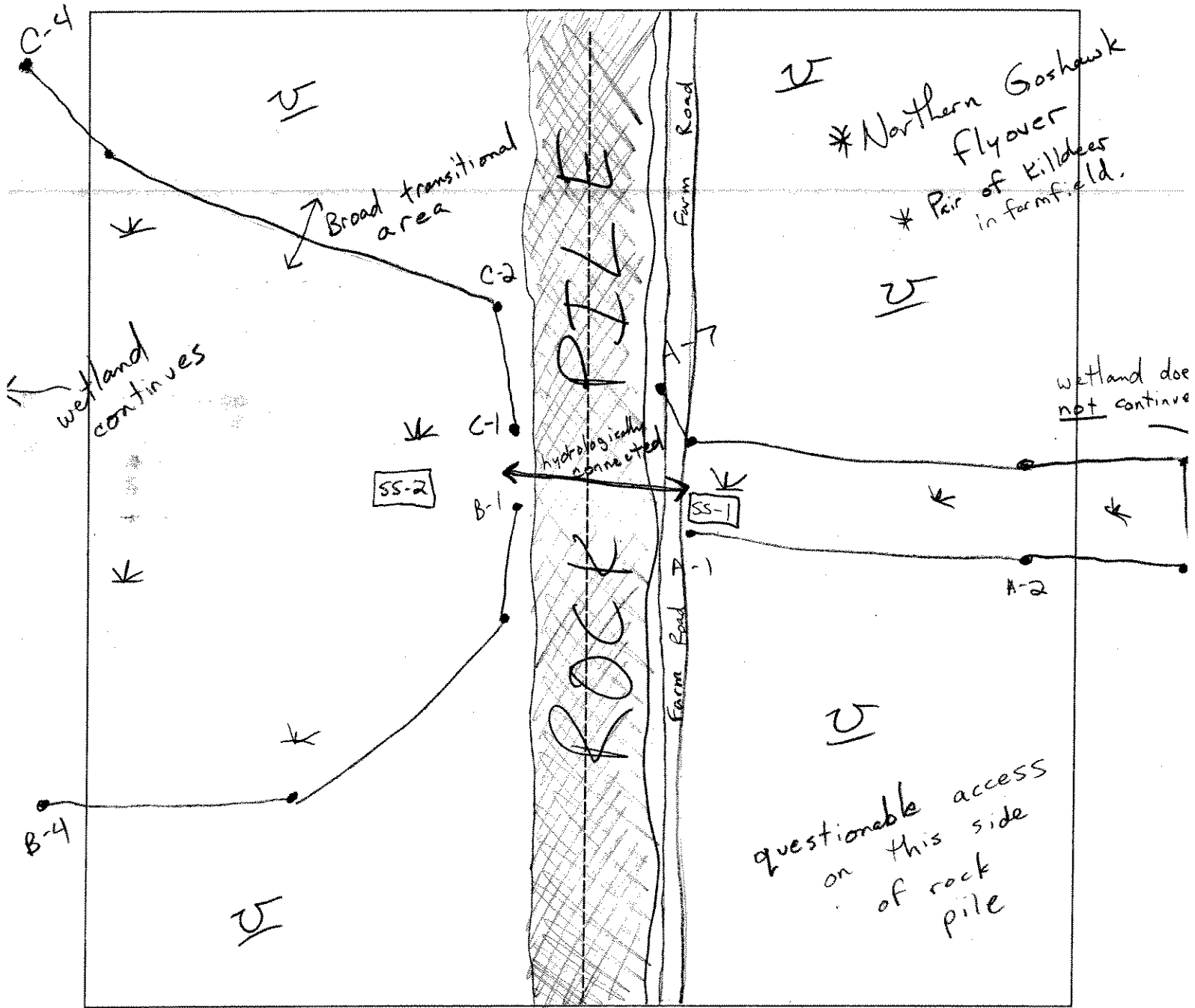
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <i>to porous basin</i>
<b>Field Observations:</b> Depth of Surface Water (in.): <b>0</b> Depth to Free Standing Water in Pit (in.): <b>&gt; 12</b> Depth to Saturated Soil (in.): <b>12"</b>	<b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: <b>Saturated to within 12" of the surface</b>	



SKETCH FORM

Wetland ID/Route #: AR 16 A/B/C	Date: 10-6-05	Time:
Initials of Delineators: SR KH JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



Legend			
○▼	Photo Location/Direction	∨	Wetland
□	Sample Station	U	Upland
---	Centerline		Stream
▷	Flag	- . . -	Intermittent Stream

\* All one wetland, Hydrological connection under rock pile.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/5/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>PEM</u> Transect ID: <u>Wetland</u> Plot ID: <u>AR16-BC 881</u>

**VEGETATION**

Plant Community Classification: <u>Open Ag Field</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Canary grass</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Grass sp.</u>	<u>H</u>	<u>-</u>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&gt;50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	





**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR14-BC-SS2

**VEGETATION**

Plant Community Classification: <i>open field</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Taraxicum officinale</i>	H	FACU	9.		
2. <i>Nanunculus</i> sp.	H	FAC	10.		
3. <i>grass</i> sp	H	—	11.		
4. <i>Galium</i> sp	H	FACU	12.		
5. <i>Dactylis glomerata</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

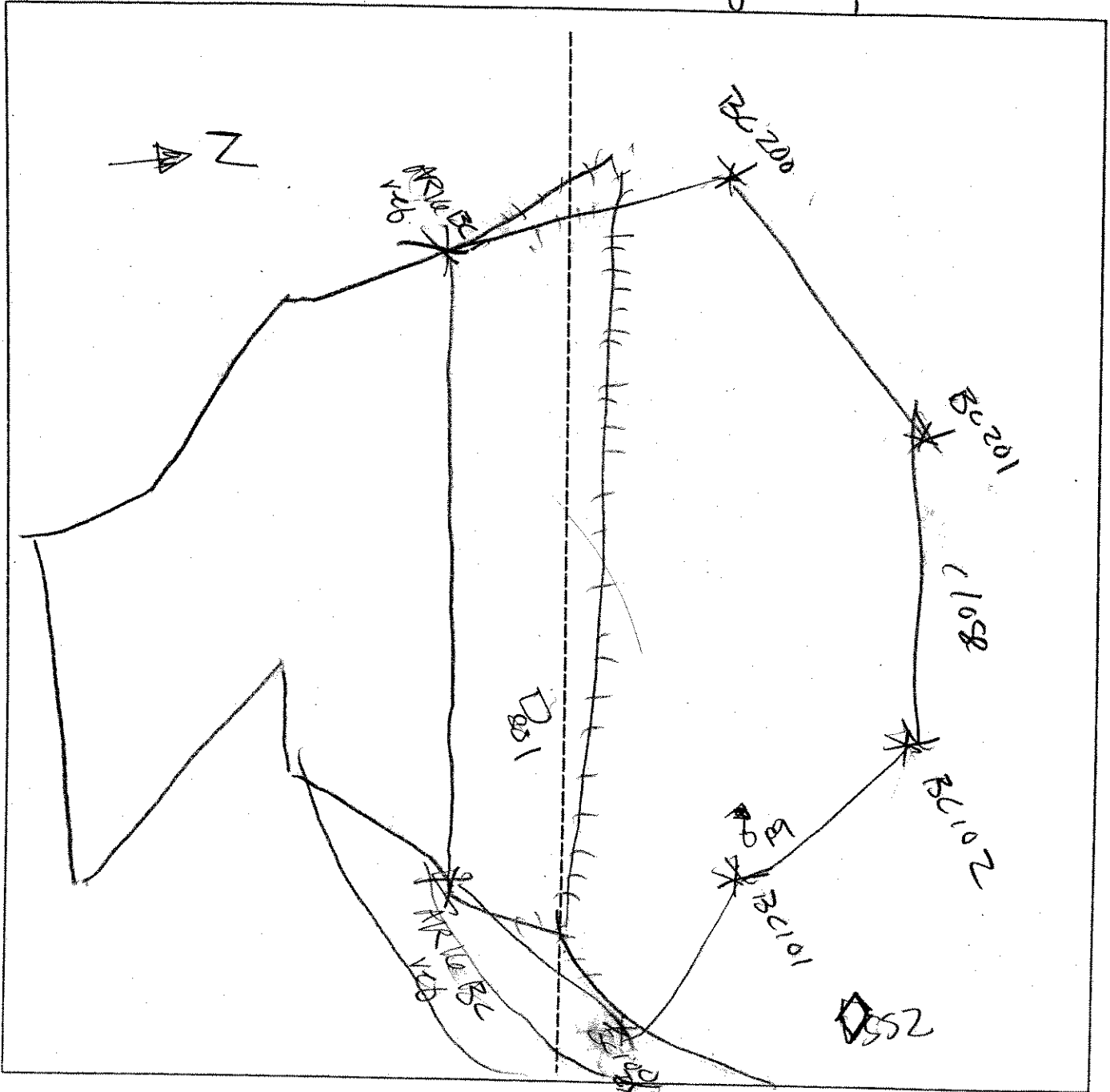
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



SKETCH FORM

Wetland ID/Route #: <b>AR16 BC EXTENSION</b>	Date: <b>5 May 07</b>	Time:
Initials of Delineators: <b>JV-HP</b>	Location: <b>AR16 BC</b>	
Roll #: <b>photo 9</b>	Frames: <b>by BC101 facing West</b>	



<b>Pg 0</b> ▼	Photo Location/Direction	<b>Legend</b>	▼	Wetland	
□	Sample Station	U	Upland	—	Stream
---	Centerline	— . .	Intermittent Stream		
▷	Flag				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <i>Ellenburg Winisburn</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>J. Arnett, K. Hannon, S. Ryan</i>	Date: <i>6 Oct 2005</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: <i>W1</i> Plot ID: <i>AR18AB SS-1</i>

**VEGETATION**

*PEM*

Plant Community Classification:						
Percent Canopy Cover:		Tree: <i>0</i>	Shrub:	Herb:	Vine: <input checked="" type="checkbox"/>	
Dominant Plant Species	%	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Rubus idaeus</i>	<i>30</i>	<i>Shrub</i>	<i>FAC-</i>	<del><i>9. Impatiens capensis</i></del>		
<del><i>2. Spiraea latifolia</i></del>	<del><i>5</i></del>	<del><i>shrub</i></del>		<i>10.</i>		
<del><i>3. Sambucus canadensis</i></del>	<del><i>2</i></del>	<del><i>shrub</i></del>		<i>11.</i>		
<i>4. Phalaris arundinacea</i>	<i>90</i>	<i>Herb</i>		<i>12.</i>		
<i>5. Actea novi-belgii</i>		<i>Herb</i>	<i>FACW*</i>	<i>13.</i>		
<i>6. Salix rugosa</i>		<i>Herb</i>	<i>FAC</i>	<i>14.</i>		
<del><i>7. Clematis virginiana</i></del>				<i>15.</i>		
<del><i>8. Cornus rugosa</i></del>				<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>67</i>						
Remarks:						

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt;12</i>  Depth to Saturated Soil (in.): <i>0</i> <i>Saturated to the surface</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1	7.5YR 2.5/3	many distinct medium	sandy silt loam
6-8	B	10YR 4/1	7.5YR 2.5/3	few distinct small	sandy silt loam
8-12	B	10YR 5/2	7.5YR 2.5/3	many large distinct	sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: soil data collected at bottom of vegetated drainage feature.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)	(Circle)
Wetlands Hydrology Present?	(Yes) No		
Hydric Soils Present?	(Yes) No	Is this Sample Station Point Within a Wetland? (Yes) No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County Wind Farm</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>SE KH JA</u>	Date: <u>10-6-05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR18 A/B - 55-2</u> <span style="float: right;">upland</span>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>90</u>	Shrub: <u>60</u>	Herb: <u>30</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus tremuloides</u> <u>10%</u>	<u>Tree</u>	<u>FACW</u>	9.		
2. <u>Acer rubrum</u> <u>90%</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Abies balsamea</u> <u>20%</u>	<u>Tree</u>	<u>FAC</u>	11.		
4. <u>Abies balsamea</u> <u>30%</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Sorbus americana</u> <u>5%</u>	<u>Shrub</u>	<u>FACW</u>	13.		
6. <u>Cornus canadensis</u> <u>20%</u>	<u>Herb</u>	<u>FAC-</u>	14.		
7. <u>Dryopteris intermedia</u> <u>15%</u>	<u>Herb</u>	<u>FACW</u>	15.		
8. <u>Osmunda claytoniana</u> <u>5%</u>	<u>Herb</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>2/4</u> <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>No wetland hydrology.</u>	

**SOILS**

ID: AR 18 A/B-SS-2

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/2			undecomposed leaf litter
3-4	A	10YR 2/1			loam
4-5	B	10YR 5/2			sandy silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Dry soils.  * Auger refusal @ 5"					

**WETLAND DETERMINATION**

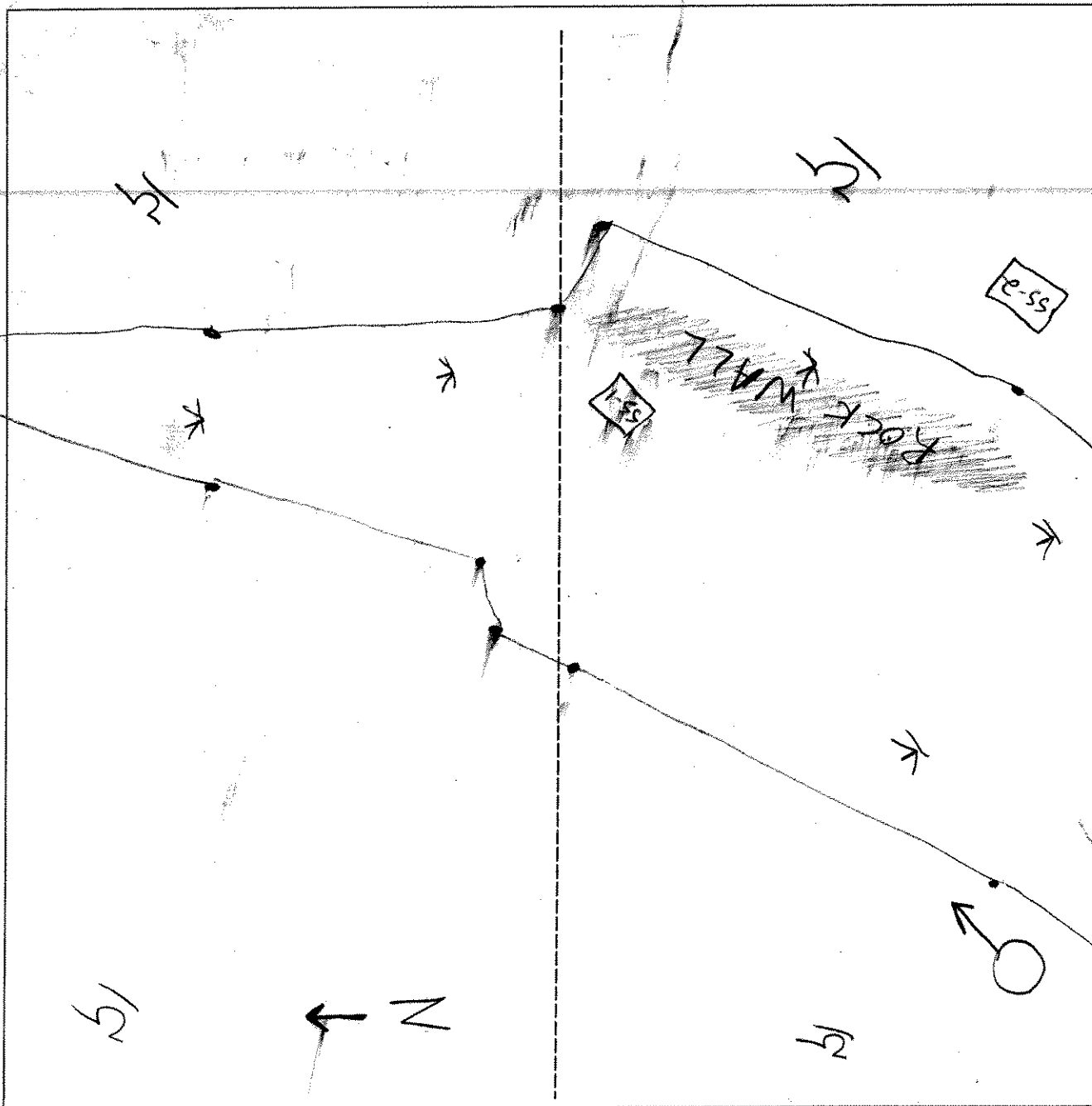
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Is this Sample Station Point Within a Wetland? Yes No
			Is this an Isolated Wetland? Yes No
Remarks			



AR18-A, OH1201-A

SKETCH FORM

Wetland ID/Route #: AR18A/B	Date: 10-6-05	Time:
Initials of Delineators: SR KH JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: AL, DO	Date: 8-24-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: 041201 A/B S5

**VEGETATION**

Plant Community Classification: PSS Percent Canopy Cover: Tree: 5% Shrub: 50% Herb: 100% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Picea mariana</i>	T	FACW			9.
2. <i>Acer rubrum</i>	Sap	FAC			10.
3. <i>Abies balsamea</i>	T	FAC			11.
4. <i>B. populifolia</i> (sapling)	Sap	FAC			12.
5. <i>A. balsamea</i>	H	FAC			13.
6. <i>Sphagnum</i> moss	H	OBL*			14.
7. <i>Dalibarda repens</i>	H	FAC			15.
8. <i>Acer rubrum</i>	T	FAC			16.
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: * Constitutes 50% or more of vegetation within soil station Upland vege occurs sporadically since on edge of UPL and WL boundary. Vaccinium, Cornus canadensis, Ilex verticillata.					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPO/DEC ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 32" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 8 24 06  
 Community ID: PSS  
 Plot ID: 0H 1301 A/B SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	10YR 2/1	-	-	Organics w/ Fibers
2-8	A <sub>1</sub>	5YR 2.5/1	-	-	Silt loam
8-12	B <sub>1</sub>	2.5Y 8/1	5YR 4/6	abund / MED / PROM	Very fine sand
12-18	B <sub>2</sub>	2.5Y 6/3	2.5YR 4/6	abund / MED / PROM	loamy fine sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: * Mottles are mostly observed at lower end of B <sub>1</sub> horizon. Observed definite mixing in lower area.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			
DEC Photo 1 => S at bag w/ flag on B.p.			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: AL, DO	Date: 8-24-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: OH 1201 A/B SS2

**VEGETATION**

Plant Community Classification: Open Forest (Balsam Poplar)					
Percent Canopy Cover:		Tree: 60%	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pteridium aquilifolium	H	FACU	9. A. rubrum	T	FAC
2. Naccinium angustifolium	H	FACU	10. P. tremuloides	T	FACU
3. Maianthemum canadense	H	FAC-	11.		
4. Abies balsamiae	S	FAC	12.		
5. Abies balsamiae	SAP	FAC	13.		
6. Acer rubrum	SAP	FAC	14.		
7. Populus tremuloides	SAP	FACU	15.		
8. A. balsamiae	T	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/8 = 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPD/DEC <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NONE Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NONE  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 8-24-06  
 Community ID: Upland  
 Plot ID: OH 1201 A/B SSA

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1"	A <sub>0</sub>		-	-	Silt
1-4	A	10YR 2/1	-	-	Loam
4-6	<del>A<sub>1</sub></del>	10YR 5/2	-	-	Loam
6-8	AB <sub>1</sub> C	7.5YR 4/4	-	-	<del>Even</del> loamy sand
8-10	B <sub>1</sub>	2.5YR 3/6	-	-	fine sand
10-15	B <sub>2</sub>	5YR 4/6	-	-	fine sand

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: \* Mixing transitional layer observed approx 1" below  
 No redox features observed only transitional variations

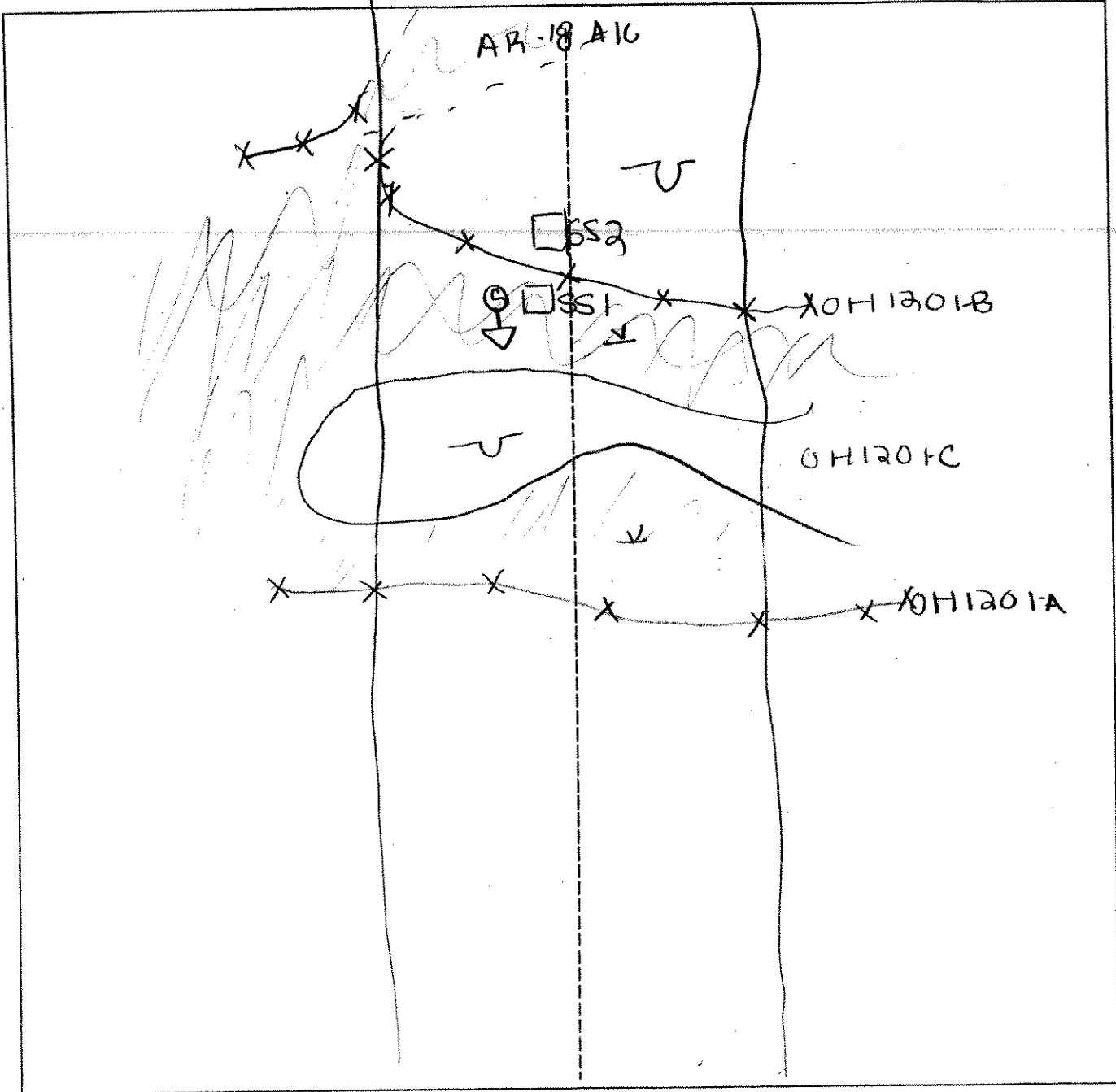
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: OH 1201 A/B/C	Date: 8-24-06	Time:
Initials of Delineators: AL, PF JV, DJ	Location: OH From Rt-11 North	
Roll #:	Frames:	



Legend	
○▼	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
X	Wetland
U	Upland
—	Stream
- . .	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/6/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 / PBM Transect ID: Plot ID: AP12A, OH1201A 551

**VEGETATION**

Plant Community Classification: *Pred maple mesic*  
 Percent Canopy Cover: Tree: 50 Shrub: 10 Herb: 25 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. Grass sp	H	-
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Abies balsamea</i>	T	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>A. balsamea</i>	S	FAC	13.		
6. <i>Viburnum lentago</i>	H	FAC	14.		
7. <i>Athyrium filix-femina</i>	H	FAC	15.		
8. moss sp	H	-	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%.

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <1" - 2" Depth to Free Standing Water in Pit (in.): 3" Depth to Saturated Soil (in.): 0"	
Remarks: Upland areas adjacent to wet slope N and discharge runoff via surface / groundwater flow.	

Date: 6 May 07  
 Community ID: AR18A, 07-0201A  
 Plot ID: 881

**SOILS**

Map Unit Name (Series and Phase): <b>AR18A</b>		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/2			
3-5	A1	10YR 2/2			silt loam
5-11	B	10YR 4/4			loam
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>no mottling observed.</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: <i>Photo 2 =&gt; W  DEC WL</i>			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <span style="margin-left: 100px;">JV</span> <span style="margin-left: 20px;">AP</span>	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>APL</u> Transect ID: Plot ID: <u>AR18A 0H1201A SS</u>

**VEGETATION**

Plant Community Classification: <u>Early successional woods</u> Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>55</u> Herb: <u>70</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>			
2. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>			
3. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>			
4. <u>Lycopodium obscurum</u>	<u>H</u>	<u>FACU</u>			
5. <u>Lycopodium complanatum</u>	<u>H</u>	<u>FAC</u>			
6. <u>Cynanthus americanus</u>	<u>H</u>	<u>FAC</u>			
7. <u>Athyrium filix-femina</u>	<u>H</u>	<u>FAC</u>			
8					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>75%</u>					
Remarks: <u>(1) poplar (1) yellow birch observed (T)</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/6/07  
 Community ID: UPL  
 Plot ID:

ARIBA, OHIO A SSK

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	5YR 3/3			magmics
4-7	A	7.5YR 2.5/1	7.5YR 4/2	few, faint	silt loam
7-10	B	7.5YR 2.5/3			silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: \_\_\_\_\_

SKETCH FORM

Wetland ID/Route #: OH EXTENSION AR18A, <del>WTS</del> 1001 A	Date: 16 May 07	Time:
Initials of Delineators: JV AP	Location: NOF T. 51	
Roll #: Frames: photo 2 by A100 facing east		

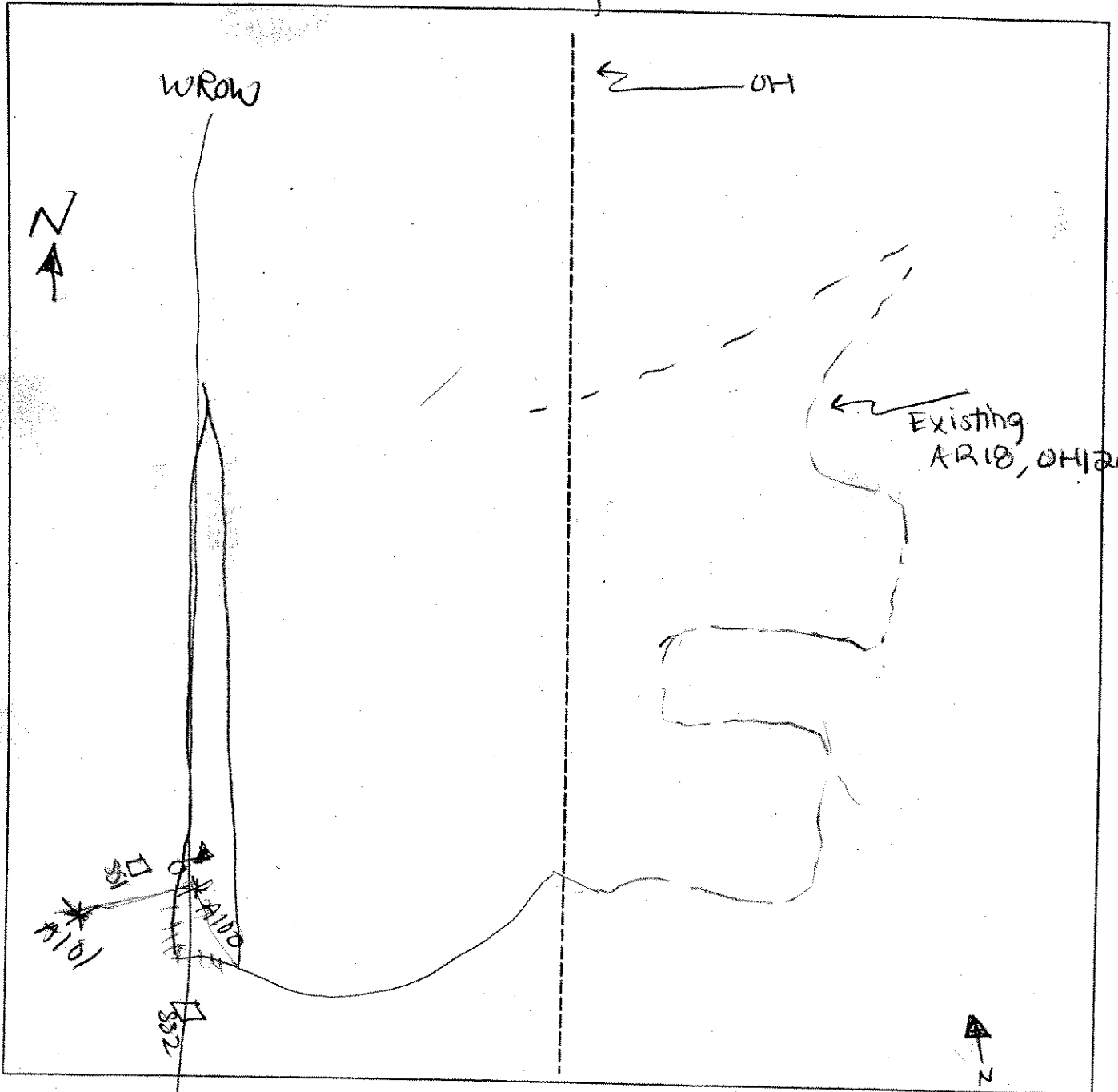


Photo Location/Direction Sample Station Centerline Flag	<p><b>Legend</b></p> Wetland Upland Stream Intermittent Stream
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**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

\* NEW POLYGON \*

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 5/31/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: AR18A, CH201A Plot ID: 333

**VEGETATION**

Plant Community Classification: PEN AG FIELD Percent Canopy Cover: Tree: $\emptyset$ Shrub: $\emptyset$ Herb: 98% Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. PHALARIS ARUNDINACEA	H	FACW+	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%.					
Remarks: OTHER VEG PRESENT JUNCUS EFFLUSUS CAREX SP.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 5/31/2007  
 Community ID: WETLAND  
 Plot ID: AREA, OH 1201A  
 553

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	7.5YR 4/1			SILTY CLAY LOAM
4-12	B	2.5Y 7/1	5Y 4/6	MANY, MED, PGM	CLAY LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: PERCEAL OF AQUE @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SE LP	Date: 5/31/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AR18A, CH1201A Plot ID: 554

**VEGETATION**

Plant Community Classification: <input checked="" type="checkbox"/> AGFIELD					
Percent Canopy Cover: Tree: $\emptyset$ Shrub: $\emptyset$ Herb: 100 Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TRIFOLIUM PRATENSE</i>			9.		
2. <i>TRIFOLIUM PRATENSE</i>	H	FACU-	10.		
3. <i>TARAXACUM OFFICINALE</i>	H	FACU-	11.		
4. GRASS SP	H	---	12.		
5. <i>RANUNCULUS ACIS</i>	H	FAC+	13.		
6. <i>VICIA CRacca</i>	H	UPL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $1/5 = 20\%$					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p><b>Wetland Hydrology Indicators:</b></p> <p><b>Primary Indicators:</b></p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p><b>Secondary Indicators (2 or more required):</b></p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p><b>Field Observations:</b></p> <p>Depth of Surface Water (in.): <math>\emptyset</math> N/A</p> <p>Depth to Free Standing Water in Pit (in.): <math>\emptyset</math> N/A</p> <p>Depth to Saturated Soil (in.): N/A</p>	
Remarks:	

Date: 5/31/2007  
 Community ID: UPLAND  
 OH  
 Plot ID: ARIBA 1201A  
 594

**SOILS**

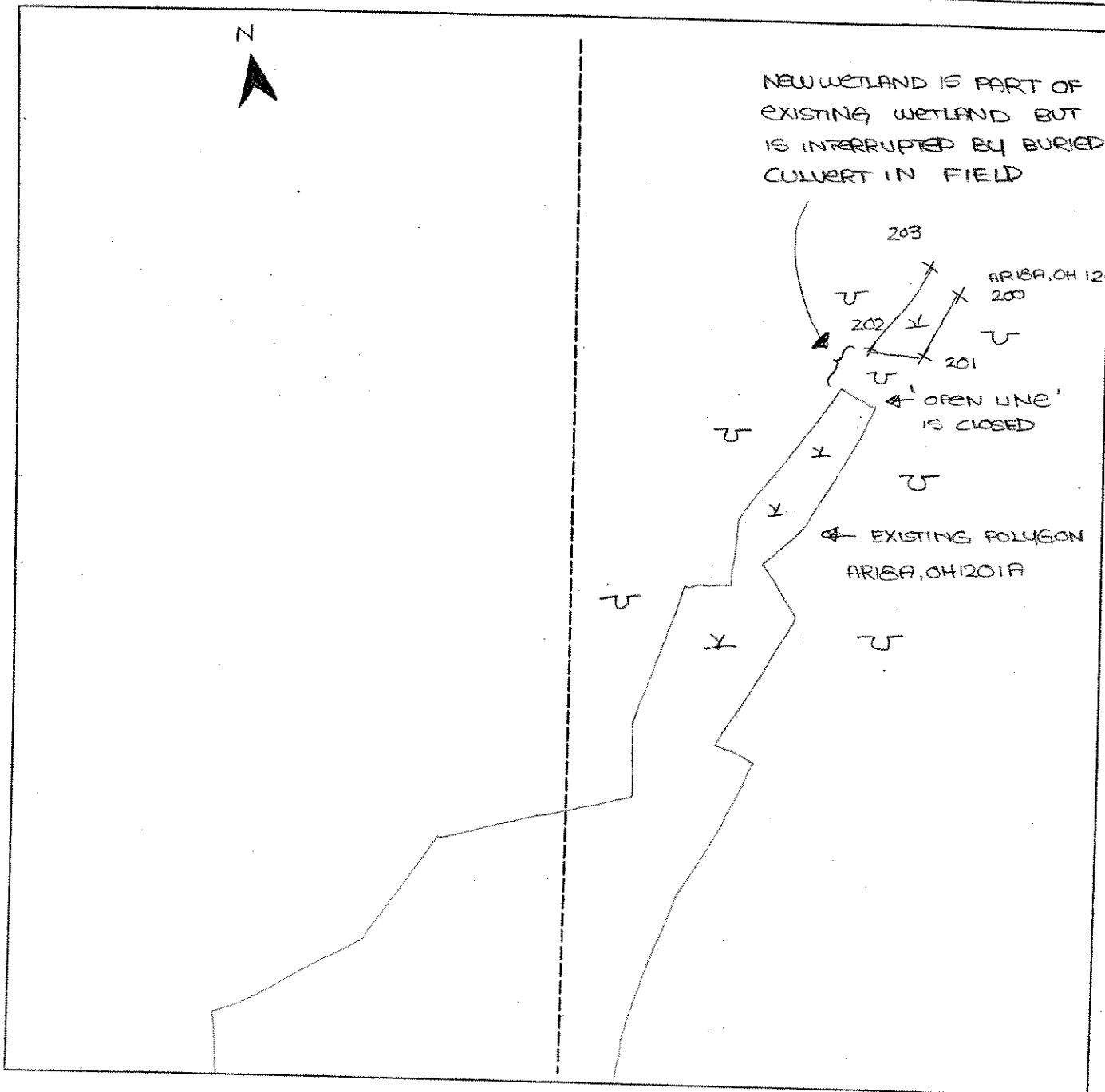
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	7.5YR 4/1			SILTY CLAY LOAM
12-18	B	10YR 5/2	10YR 4/6	COMMON, MED, DISTINCT	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks		

SKETCH FORM

Wetland ID/Route #: ARISA, OH1201A	Date: 5/31/2007	Time:
Intials of Delineators: RJD SC LP	Location:	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Windsor</i>	Date: <i>10/7/05</i>
Applicant/Owner: <i>Johnson</i>	County: <i>Clinton</i>
Investigator: <i>K. G. GO</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/>	Community ID: Transect ID: Plot ID: <i>AR 22 A/B-SS1 A1A</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/>	
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>P5B</i>	Percent Canopy Cover: Tree: <input checked="" type="radio"/> Shrub: <input checked="" type="radio"/> Herb: <i>100%</i> Vine: <input checked="" type="radio"/>				
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	<i>1+</i>	<i>OBL</i>	9.		
2. <i>Solidago gaduiniifolia</i>	<i>1+</i>	<i>FACW</i>	10.		
3. <i>Spiraea latifolia</i>	<i>1+</i>	<i>FAC+</i>	11.		
4. <i>Phleum pratense</i>	<i>1+</i>	<i>FACU</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks: <i>Small Depression with corn field bordering north + south</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>7 1/2"</i> Depth to Saturated Soil (in.): <i>&gt; 12"</i>	
Remarks: <i>photo 3 + 4</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	AP	10Y-3/2			sandy clay loam
3-6	AP	10Yr 4/3	10Yr 4/6	few/medium/tonight	Fe con.
6-12	A	10Y-5/4	10Yr 4/8	few/medium/distinct	Fe con. sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		Is this an Isolated Wetland?
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Windsor</i> Applicant/Owner: <i>Huron</i> Investigator: <i>KH, BJ</i>	Date: <i>10/2/05</i> County: <i>Clinton</i> State: <i>NV</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>W</i> Transect ID: Plot ID: <i>AR 23A/B SS1</i>

**VEGETATION**

Plant Community Classification: <i>DEM</i> Percent Canopy Cover: Tree: <i>15</i> Shrub: <i>0</i> Herb: <i>75</i> Vine: <i>10</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aster vimineus</i>	<i>H</i>	<i>FAC</i>	9.		
2. <i>Betula populifolia</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Impatiens capensis</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Ulmus americana</i>	<i>T</i>	<i>FACW-</i>	12.		
5. <i>Carex</i> sp	<i>H</i>	<i>OBL</i>	13.		
6. <i>Arctium minus</i>	<i>H</i>	<i>NI</i>	14.		
7. <i>Sicyos angulatus</i>	<i>V</i>	<i>FACW</i>	15.		
8. <i>Polygonum scandens</i>	<i>V</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Photo # 5</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>716"</i>  Depth to Saturated Soil (in.): <i>716"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/3		None	Clay loam
6-12	A <sub>1</sub>	10YR 4/2	10YR 2/1	Numerous large/dist	Min concretions
12-16	B	10YR 5/3			silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No			
Wetlands Hydrology Present?	Yes	No		(Circle)	
Hydric Soils Present?	Yes	No			
				Is this Sample Station Point Within a Wetland?	Yes No
				Is this an Isolated Wetland?	Yes No
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wood</i>	Date: <i>10/7/05</i>
Applicant/Owner: <i>HORTON</i>	County: <i>Clinton</i>
Investigator: <i>KH, GB</i>	State: <i>NV</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>UPL</i> Transect ID: Plot ID: <i>AR 23/13 SS2</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>wetland</i>					
Percent Canopy Cover: Tree: <input type="checkbox"/> Shrub: <i>5</i> Herb: <i>95%</i> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sambucus canadensis</i>	<i>F.S.W.</i>	<i>FACW</i>	9.		
2. <i>Festuca elatior</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Phalaris arundinacea</i>	<i>H</i>	<i>FACW+</i>	11.		
4. <i>Galium mollugo</i>	<i>H</i>	<i>NI</i>	12.		
5. <i>Liontodon autumnalis</i>	<i>H</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>40%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0"</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i> Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks: <i>Auger refusal @ 6"</i>	

ID:

**SOILS**

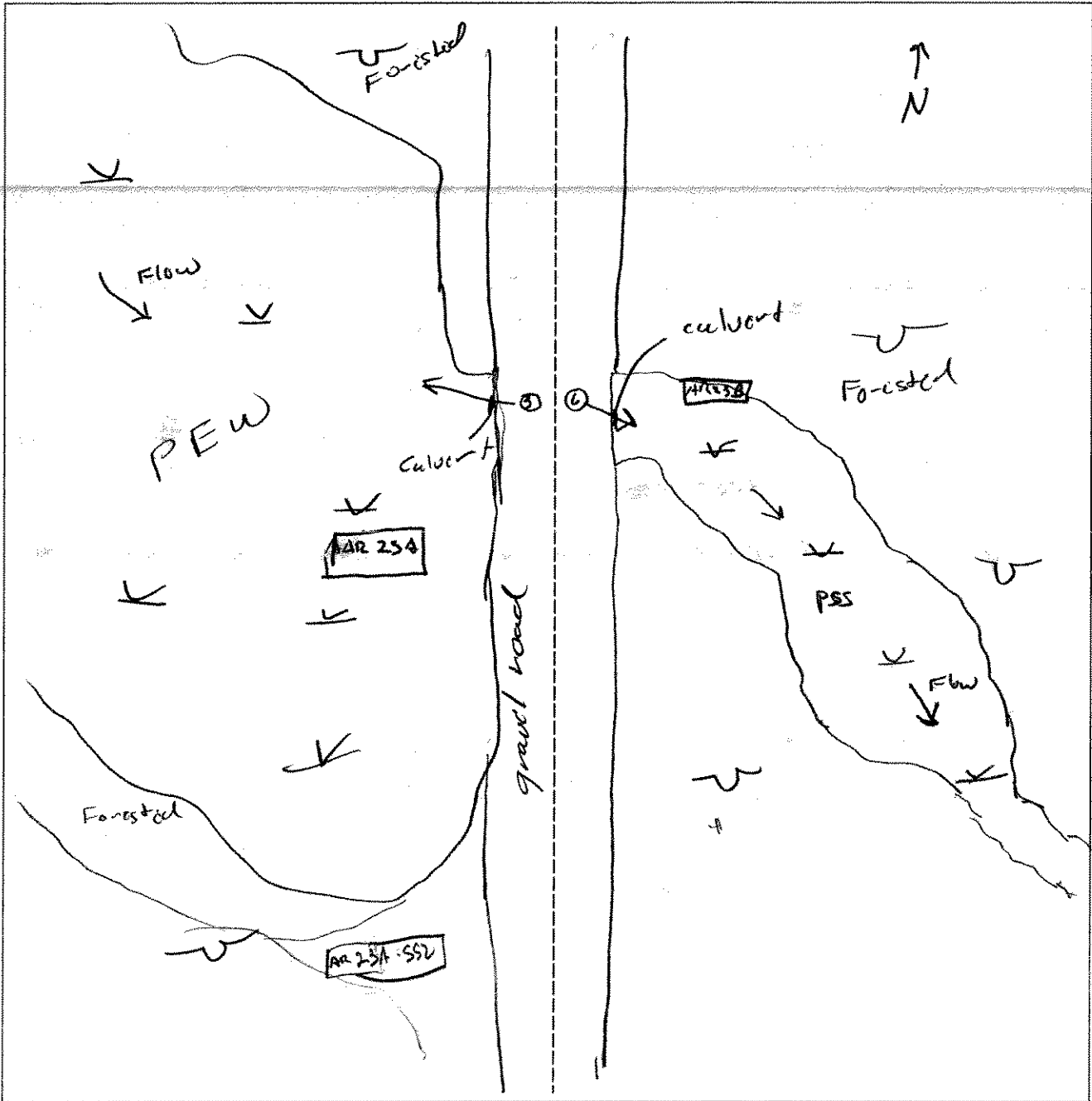
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2		low	clay loam Dry
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: soil Dry, friable.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No		(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	No				
Hydric Soils Present?	Yes	No				
			Is this Sample Station Point Within a Wetland?	Yes	No	
			Is this an Isolated Wetland?	Yes	No	
Remarks						

SKETCH FORM

Wetland ID/Route #: AR 23 A/B	Date: 10/7/05	Time:
Initials of Delineators: KH, GD	Location: Clinton County	
Roll #: Greg's camera	Frames: 5+6	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>Clinton Co Windsor</u> Applicant/Owner: <u>Herman</u> Investigator: <u>KH, GD</u>	Date: <u>10/7/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 24A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PEM</u>					
Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>10</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Carex sp.</u>	<u>H</u>	<u>unknown</u>	9.		
2. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Acer saccharum</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>Glyceria canadensis</u>	<u>H</u>	<u>OBI</u>	12.		
5. <u>Fraxinus pennsylvanica</u>	<u>S</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>718"</u>  Depth to Saturated Soil (in.): <u>&gt;18"</u>	
Remarks:	



ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	clay loam
6-12	A <sub>1</sub>	10YR 3/2	10YR 4/6	many/fine/faint	
12-18	A <sub>1</sub>	10YR 4/2	10YR 2/1	1' 1' 1'	Mn Fe concretions

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	---

Remarks:  
 Auger refusal @ 18"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		
		Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Windspan</i> Applicant/Owner: <i>Huron</i> Investigator: <i>KH, G.D.</i>	Date: <i>10/7/08</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 24A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>abundant</i> Percent Canopy Cover: Tree: <i>40</i> Shrub: <i>0</i> Herb: <i>60%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus</i>	T	FACW	9.		
2. <i>Impatiens capensis</i>	H	FACW	10.		
3. <i>Thelypteris noveboracensis</i>	H	FAC	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 12"</i> Depth to Saturated Soil (in.): <i>&gt; 12"</i>	
Remarks:	

ID:

**SOILS**

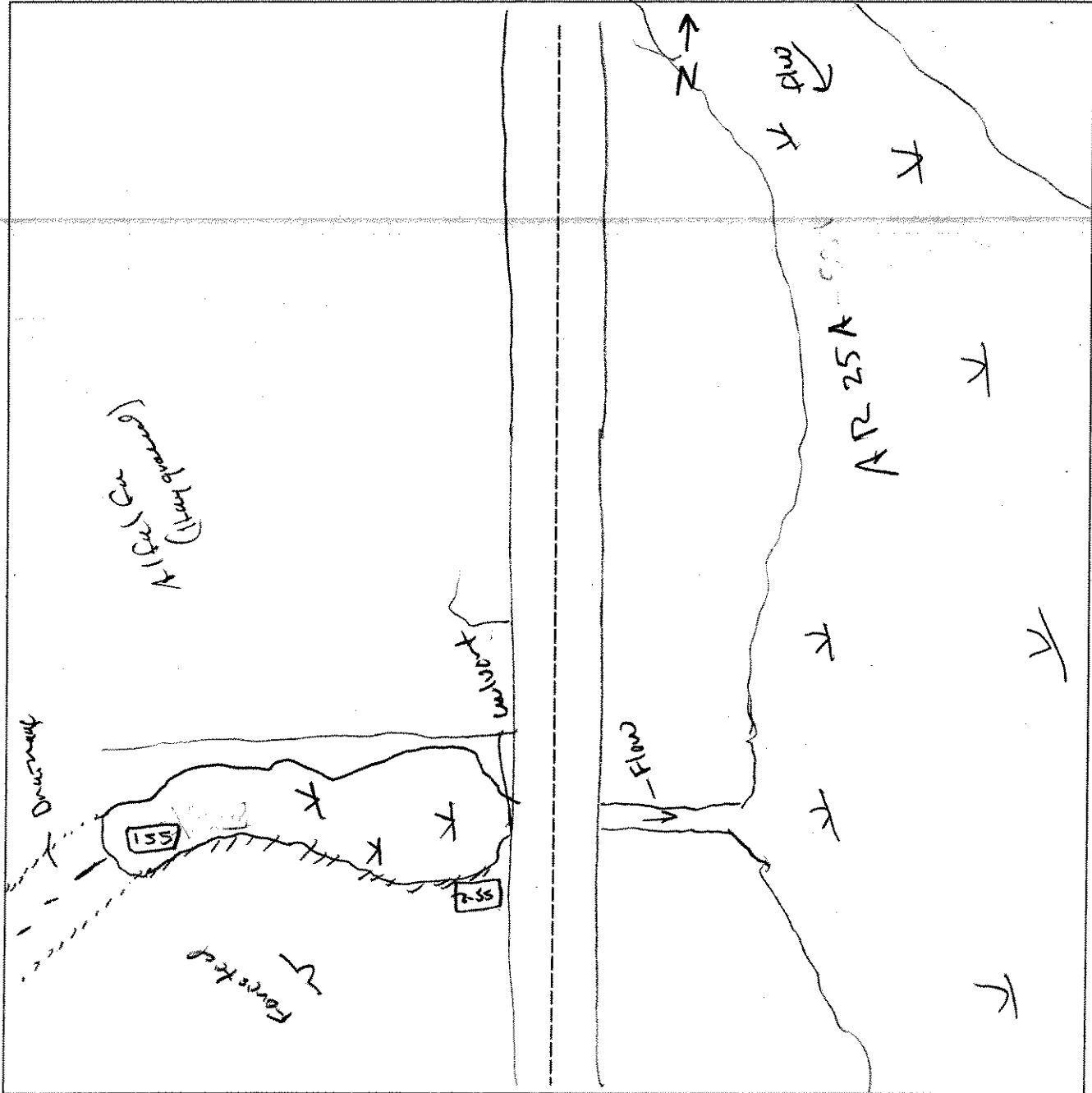
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations: Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Yr 4/3	—	—	sandy loam
6-12	B	10Yr 4/3			ll "
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Auger refusal @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
		Is this an Isolated Wetland?	Yes No
Remarks			

SKETCH FORM

Wetland ID/Route #: AR 24A	Date: 10/2/05	Time:
Initials of Delineators: KITJGD	Location: Clinton County W. Va	
Roll #:	Frames:	



**Legend**

○▲	Photo Location/Direction	∟	Wetland
□	Sample Station	—	Upland
---	Centerline	—	Stream
▽	Flag	- . .	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County road</i> Applicant/Owner: <i>HORIZON</i> Investigator: <i>K.H. G.D.</i>	Date: <i>10/7/05</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: Transect ID: Plot ID: <i>AR 25A-551</i>							

**VEGETATION**

Plant Community Classification: <i>PFO/PEM</i> Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>0</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Salix bebbiana</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>Carex</i> spp.	<i>H</i>	<i>unknown</i>	10.		
3. <i>Oxycoccus sensibilis</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Aster uiminosus</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Cornus stolonifera</i>	<i>S</i>	<i>FACW+</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>7 1/2"</i>  Depth to Saturated Soil (in.): <i>7 1/2"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6"	A	10YR 3/2	10YR 4/4	many/large/bright	silty loam dry
6-12"	A	10YR 2/2	10YR 5/4	Many/large/bright	MN concretions

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No			
Is this Sample Station Point Within a Wetland?				Yes	No
Is this an Isolated Wetland?				Yes	No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County wood</i> Applicant/Owner: <i>Honick</i> Investigator: <i>KH, GD</i>	Date: <i>10/7/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR25A-552</i>

**VEGETATION**

Plant Community Classification: <i>upland</i>						
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>60%</i> Vine: <i>40%</i>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Solidago alba</i>	H	FAC	9.			
2. <i>Spiza latifolia</i>	H	FAC+	10.			
3. <i>Vicia cracca</i>	H		11.			
4. <i>Rubus idaeus</i>	V	FAC-	12.			
5. <i>Rubus allegheniensis</i>	V	FACU	13.			
6. <i>Achillea millefolium</i>	H	FACU	14.			
7. <i>Phleum pratense</i>	H	FACU	15.			
8			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>28%</i>						
Remarks:						

**HYDROLOGY**

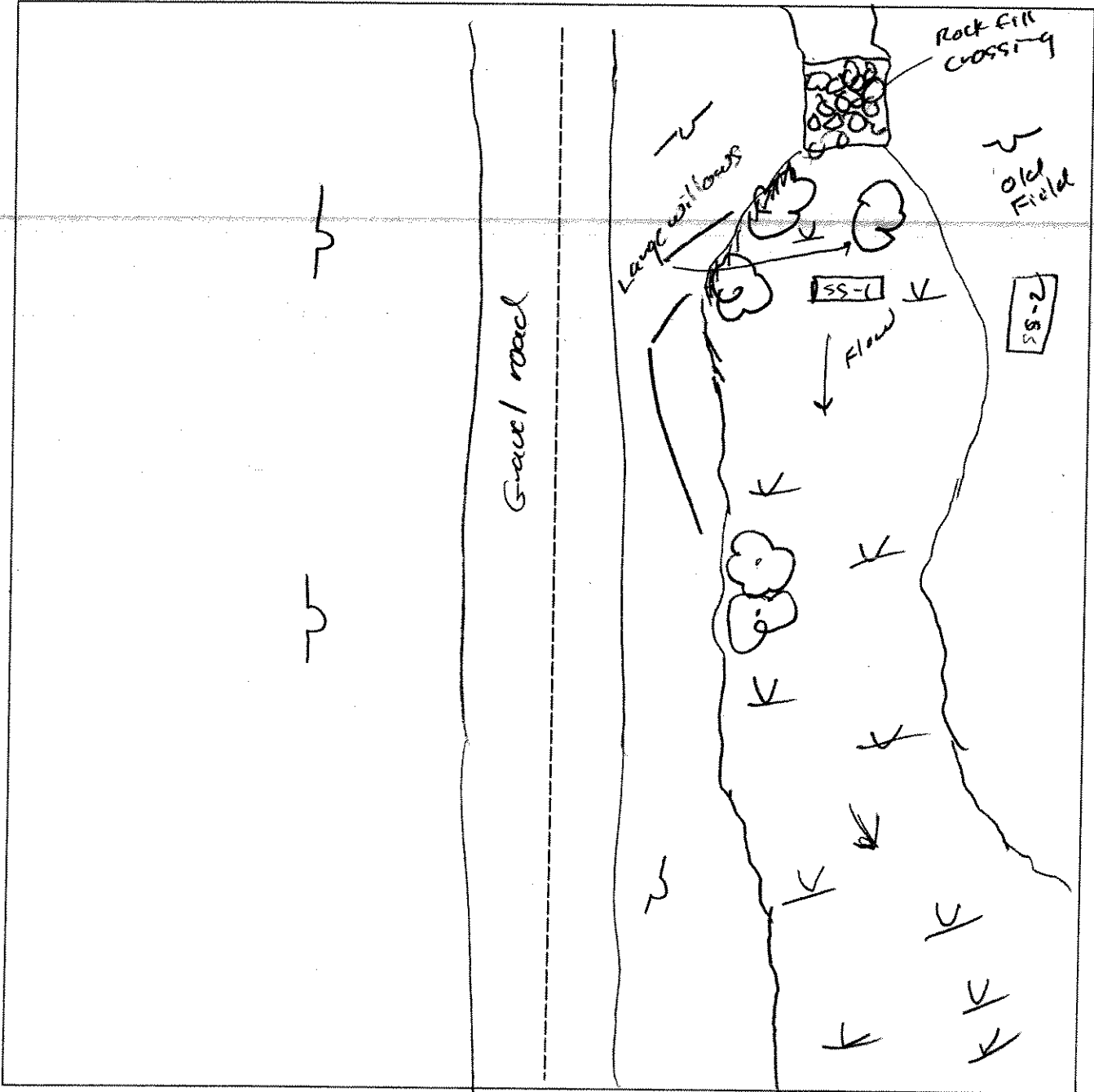
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>76"</i> Depth to Saturated Soil (in.): <i>76"</i>	
Remarks: <i>Auger Refusal @ 6"</i>	





SKETCH FORM

Wetland ID/Route #: AR 25A	Date: 10/7/05	Time:
Initials of Delineators: KH, GD	Location: Clinton County Wood	
Roll #:	Frames: Photo # 8	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PSS / PFO1 Transect ID: Plot ID: AR25-A-SSI

**VEGETATION**

Plant Community Classification: Red maple Mesic  
Percent Canopy Cover: Tree: 40 Shrub: 10 Herb: 0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Acer rubrum	T	FAC	10.		
3. Salix sericea	S	OBL	11.		
4. Salix (red stem) green/brown			12.		
5. Spinea latifolia	S	FAC+	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): ~4" Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/5/07  
 Community ID: PFO1  
 Plot ID: AR25-A-551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/1	10YR 4/4	many fine faint	sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Refusal @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks: Woodpecker heard tapping a tree in communication  
 Photo 1 => S

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR 25-A-552

**VEGETATION**

Plant Community Classification: <i>sloped field</i>					
Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Spiraea latifolia</i>	S	FACI	9.		
2. <i>Rubus sp.</i>	S	FACU	10.		
3. <i>Fragaria virginiana</i>	H	FACU	11.		
4. <i>unk herb</i>	H		12.		
5. <i>grass sp.</i>	H	—	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 450%.					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <b>NA</b> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <b>NA</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/06  
 Community ID: UPL  
 Plot ID: AR25-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
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0-1	D				Roots
1-12	A	10YR 3/2			Clay loam

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: Refusal e 12"

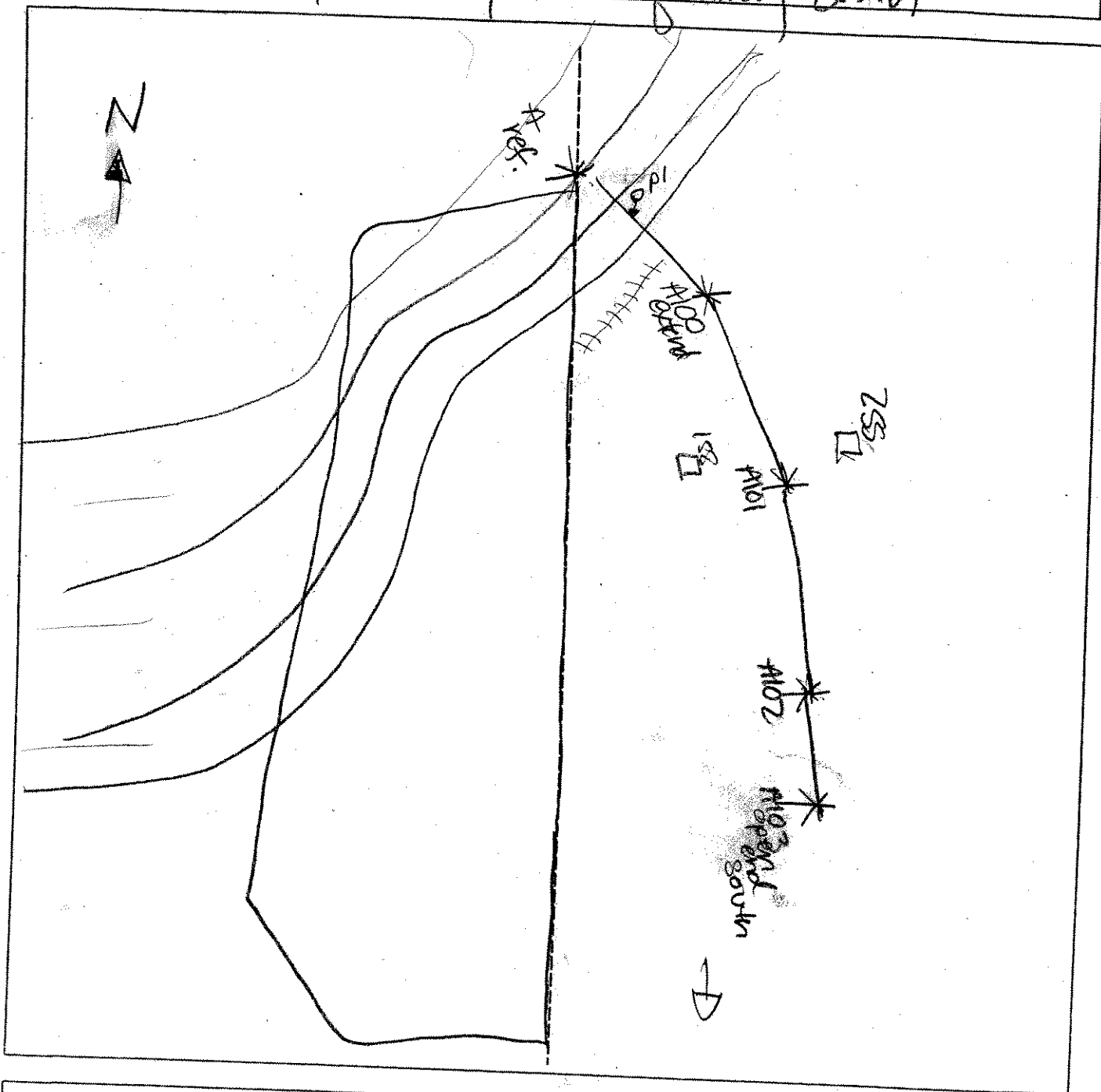
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR24A</b> AR25A LINE EXTENSION		Date: <b>5 May 07</b>	Time:
Initials of Delineators: <b>JV &amp; AP</b>		Location: <b>AR24A</b>	
Roll #:	Frames: <b>photo 1 by A ref. facing South</b>		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR26A/B  
wetland

Project Site: Clinton County / Ellenburg <i>Winds Farm</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>KA, BD</i>	Date: <i>10/8/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR26A/B-SS1</i>

**VEGETATION**

Plant Community Classification: <i>ROM PEM - Ag field</i>					
Percent Canopy Cover:      Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Rood Canary grass</i>	<i>4</i>	<i>FACW+</i>	9.		
<i>2. Carex sp</i>	<i>H</i>	<i>unknown</i>	10.		
<i>3. Carex sp</i>	<i>H</i>	<i>unknown</i>	11.		
<i>4. Poa</i>	<i>H</i>	<i>unknown</i>	12.		
<i>5. Trisetum</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>60%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>1/2 inch at deepest</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>* Rainfall within last 4 hours</i>  <i>Photo # 9</i>	

AR26 A/B SS-1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0 - 10	Ap	10YR-4/1	10YR-5/8	Many / large / distinct	clay loam w/ sand
10 - 12	Ap <sub>1</sub>	10YR-5/2	10YR-5/8	Many / large / distinct	" "
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: ~ 8 inches Mn mottles appear 10YR-2/1 Few / large / distinct - refusal at 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Circle) Yes No
Remarks			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: Clinton County / <del>Ellenburg</del> <i>Winthrop</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>KH, GD</i>	Date: <i>2 Oct 2005</i> County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 26A/B-552</i>

**VEGETATION**

*Open Upland*

Plant Community Classification:					
Percent Canopy Cover:		Tree: $\emptyset$	Shrub: $\emptyset$	Herb: <i>100%</i>	Vine: $\emptyset$
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Fall Sandbar</i>	H	<i>UPL*</i>	9.		
2. <i>Rye</i>		<i>FACU-</i>	10.		
3. <i>Poa</i>		<i>unknown</i>	11.		
4. <i>Red clover</i>		<i>FACU-</i>	12.		
5. <i>cowitch</i>		<i>UPL*</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $\emptyset$					
Remarks: <div style="text-align: center; font-size: 1.2em; margin-top: 20px;"><i>* NOT LISTED</i></div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6"</i>  Depth to Saturated Soil (in.): <i>&gt; 6"</i>	
Remarks: <i>upland Data Point</i>	

**SOILS**

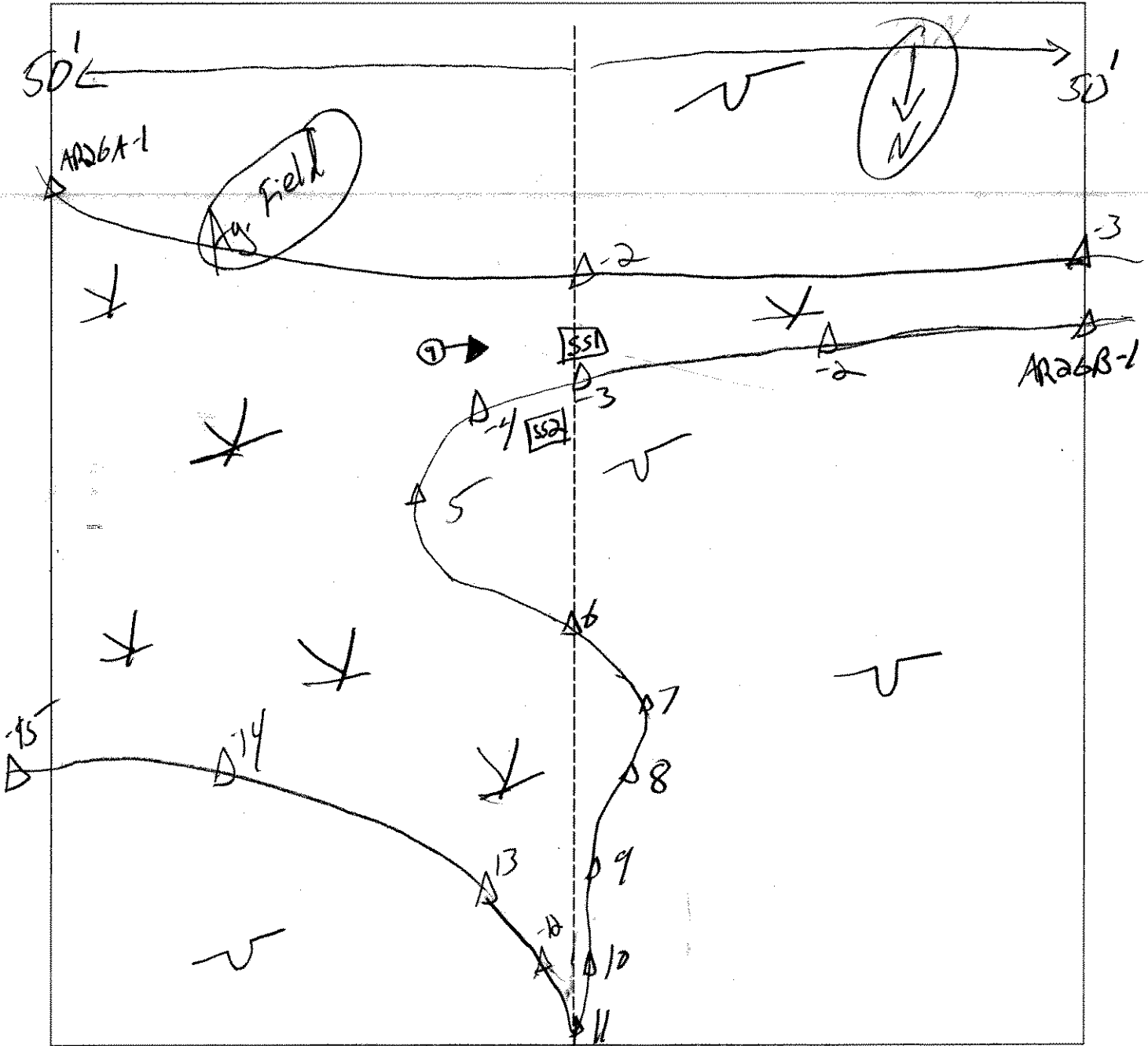
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6"	AP	10YR 4/1	10Y-5/8	Numerous/Large/Bright	clay tan MUCOP
Refusal					
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Circle)
Remarks pk Rainfall within the last 4 hours		

SKETCH FORM

Wetland ID/Route #: <b>AR 26 A/B</b>	Date: <b>10/8/05</b>	Time:
Initials of Delineators: <b>SK, SD</b>	Location: <b>Clinton Co.</b>	
Roll #: <b>pix #9 - Greg's camera</b>	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD, SC, LP	Date: 5/30/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">Yes <input checked="" type="radio"/></td> <td style="text-align: center; width: 50%;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: WETLANDS Transect ID: AR26AB Plot ID: - 553							

**VEGETATION** *Pen - HAY FIELD*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: 95% Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>REED (NARAY) GRASS</i>	H	FACW+	9.		
2. <i>CAREX URBENT SP</i>	H		10.		
3. <i>DK Green BULrush</i>	H	OBL	11.		
4. <i>CAREX SP</i>	H		12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $2/4 = 50\%$					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i>  Depth to Free Standing Water in Pit (in.): <i>n/a</i>  Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks: <span style="float: right;"><i>DRIED ALGAE</i></span>	

Date: 5/30/07  
 Community ID: AR26A13  
 Plot ID: 553

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	7.5YR 4/1	10YR 5/6	Com / med / prom	Silty Clay
8-18	B	5Y 5/1	10YR 5/10	Many / coarse / brown	Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD/SC/LP	Date: 5/30/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AR26 A/B Plot ID: SS4

**VEGETATION**    PEM-HAY FIELD

Plant Community Classification:					
Percent Canopy Cover: 5    Tree: 0    Shrub: 0    Herb: 95    Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. PHALARIS ARUNDINACEA	H	FACW	9.		
2. TARAXACUM OFFINALE	H	FACU-	10.		
3. RANUNCULUS ACRIS	H	FACT	11.		
4. VICIA CRACCA	H	UPL	12.		
5. TRIFOLIUM PRATENSE	H	FACU-	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 40%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 5/30/2007  
 Community ID: AR26A/B  
 Plot ID: 554

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	7.5YR 3/2	10YR 5/8	COMMON/MEDIUM/PROM	SILTY CLAY
8-18	B	10YR 5/1	7.5YR 6/8	MANY/COARSE/PROM	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD, SC, LP</u>	Date: <u>5/30/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WERANJ</u> Transect ID: <u>AR26A1B</u> Plot ID: <u>SSS</u>

**VEGETATION** PFO1

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>60%</u> Herb: <u>85%</u> Vine: <u>X</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SOFT LEAF PERN</u>	H	FACW	9. <u>GRAY BIRCH (#5)</u>	S	FAC
2. <u>CAREX CRINATA</u>	H	OBL	10. _____		
3. <u>CAREX SP</u>	H		11. _____		
4. <u>EQUISETUM</u>	H	FACW	12. _____		
5. <u>GRAY BIRCH</u>	T/S	FAC	13. _____		
6. <u>GREEN ASH</u>	T	FACW	14. _____		
7. <u>SUGAR MAPLE</u>	T	FACU-	15. _____		
8. <u>IRON WOOD</u>	S	FAC	16. _____		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>7/10 70%</u>					
Remarks: <u>Hop hornbeam, Red maple, Amer Elm } Jewelweed in other parts of WERANJ</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks: <div style="text-align: right; font-size: 1.2em;"><u>Buttressing</u></div>	



Date: 5/30/07  
 Community ID: wetland  
 Plot ID: AR26A13-SS5

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-7	A	7.5 YR 3/2	5YR 4/6	Comm / Fine / faint	SiH loam
7-18	B	2.5 Y 5/2	10YR 5/6	many / med / prom	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: \_\_\_\_\_

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>WMS, SC, LP</u>	Date: <u>6/30/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLANDS</u> Transect ID: <u>R226A13</u> Plot ID: <u>SS6</u>

**VEGETATION** UPLAND DECIDUOUS FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>30%</u> Herb: <u>60%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
→ 1. <u>FAGUS GRANDIFOLIA</u>	<u>T/S/H</u>	<u>FACU</u>	9.		
2. <u>ASPIRA VIRGINIANA</u>	<u>T/S</u>	<u>FACU-</u>	10.		
3. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>APER SADIOLANUS</u>	<u>S/H</u>	<u>FACU-</u>	12.		
5. <u>RAIKALM FIA</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>CAREX SP.</u>	<u>H</u>		14.		
7. <u>CANADA MAYFLOWER</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>TROUT LILY</u>	<u>H</u>	<u>UPL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>2/12 = 16%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <u>(FEW)</u> <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/30/07  
 Community ID: UPLAND  
 Plot ID: AR26A13 - SS6

**SOILS**

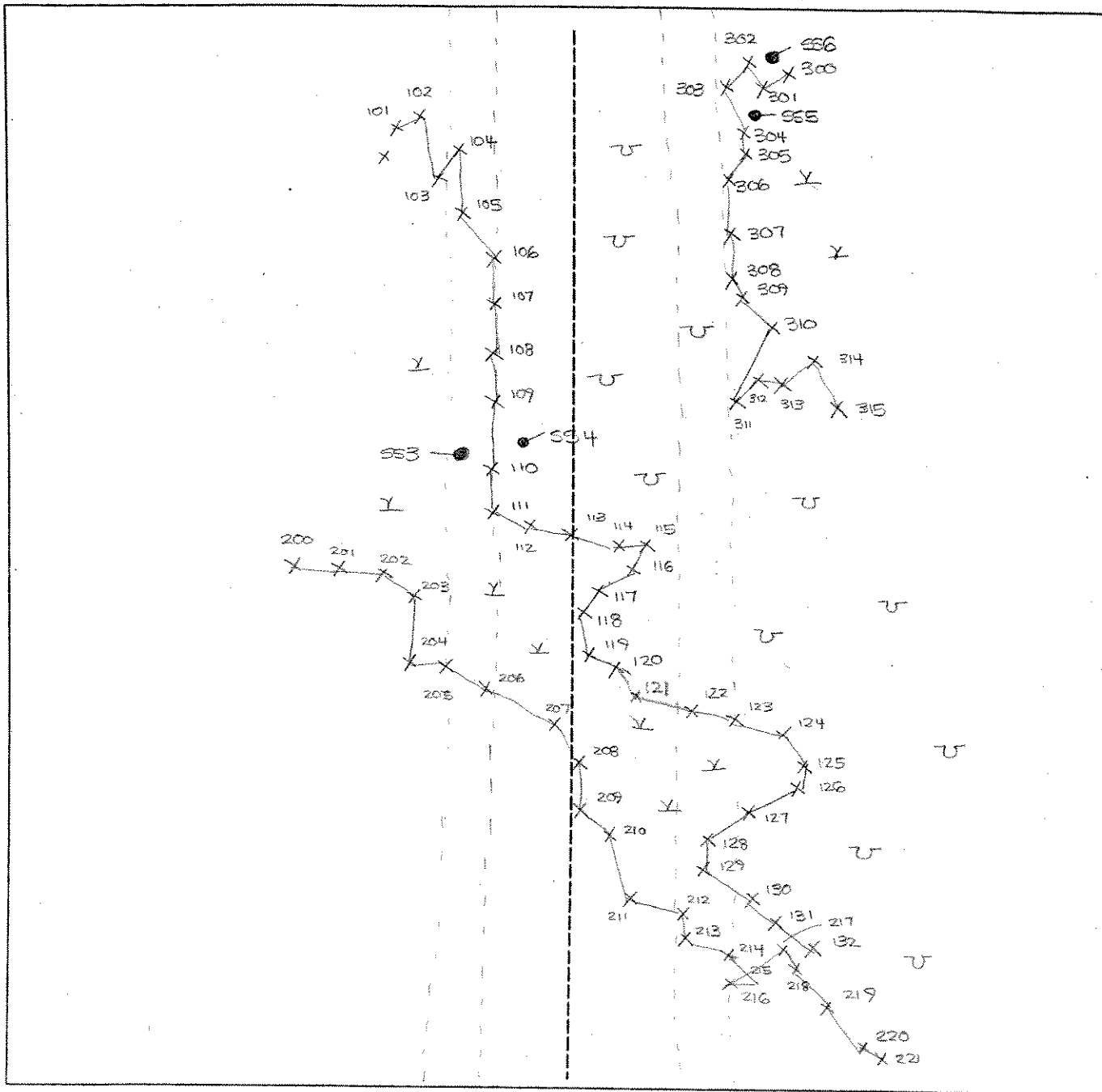
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	7.5YR 4/3	—	—	Silt loam
2-18	B	10YR 4/4	—	—	Silt CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR26-A1B	<b>Date:</b> 5/30/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RSD/SC/LP	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County wetland</i>	Date: <i>10/10/05</i>
Applicant/Owner: <i>HORIZON</i>	County: <i>Clinton</i>
Investigator: <i>G.D. SG JR</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR30A-SS1</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Is the area a potential Problem Area? (If needed, explain on reverse.) Yes <input type="radio"/> No <input checked="" type="radio"/>	

**VEGETATION**

*PEW/PSS*

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: *10%* Shrub: *5%* Herb: *90%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex intumescens</i>	H	FACW+	9. <i>Rubus</i> spp	V	Indicator
2. <i>Acer rubrum</i>	S	FAC	10.		
3. <i>Acer rubrum</i>	T	FAC	11.		
4. <i>Betula populifolia</i>	S	FAC	12.		
5. <i>Solidago graminifolia</i>	H	FAC	13.		
6. <i>Juncus effusus</i>	IF	FACW+	14.		
7. <i>Panicum</i>	H	OPL	15.		
8. <i>Carex lupulina</i>	IF	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *78%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6</i> Depth to Saturated Soil (in.): <i>&gt; 6</i>	
Remarks: <i>Auger refusal @ 6"</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10Yr 3/2	-	-	Humus
2-6	A	10Yr 4/2	10Yr 5/6	many / large / h-ighed	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
Hydric Soils Present?	Yes No	Is this an Isolated Wetland?	Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wetland</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>Bob JG, TRD</i>	Date: <i>10/10/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 30A - SS2</i>

**VEGETATION**

Plant Community Classification: <i>UPLAND FOREST / Logged</i>					
Percent Canopy Cover: Tree: <i>20%</i> Shrub: <i>40%</i> Herb: <i>80%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Cornus canadensis</i>	<i>H</i>	<i>FAC-</i>	9.		
2. <i>Acer saccharum</i>	<i>T</i>	<i>FACW-</i>	10.		
3. <i>Acer saccharum</i>	<i>S</i>	<i>FACW-</i>	11.		
4. <i>Prunus canadensis</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>Lycopodium clavatum</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Betula populifolia</i>	<i>S</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>53%</i>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated in upper 12 inches          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil Survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Field Observations: Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>76</i> Depth to Saturated Soil (in.): <i>76</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10Y-3/2			Heavily silty loam
2-6	A	10Y-4/2			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/> No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="checkbox"/> No			
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/> No		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="checkbox"/> No
				Is this an Isolated Wetland?	Yes No
Remarks					



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton CO Landfill</u> Applicant/Owner: <u>Huffman</u> Investigator: <u>G.D. J.G. RD</u>	Date: <u>10/10/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No          Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No          (If needed, explain on reverse.)       </span></span>	Community ID: Transect ID: Plot ID: <u>AR 30A -SSJ</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>40%</u> Herb: <u>85%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Prunus serotina</u>	<u>S</u>	<u>FACU-</u>	9.		
2. <u>Solidago graminifolia</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Scirpus papillosum</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>"</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Pteridium aquilinum</u>	<u>H</u>	<u>LPL</u>	14.		
7. <u>Carex lasiocarpa</u>	<u>H</u>	<u>FACW+</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks: <u>Hummock within AR 30A</u> <u>Photo # 12 Pit 10 towards SS1 location</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 6"</u> Depth to Saturated Soil (in.): <u>&gt; 6"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/3	—	—	silty loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No		
Hydric Soils Present?	Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
		Is this an Isolated Wetland?	Yes <input type="radio"/> No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County wood</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>Gold, J G, R D</u>	Date: <u>10/10/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 30D/C - S31</u>

**VEGETATION**

Plant Community Classification: <u>SW/DEU</u>					
Percent Canopy Cover: Tree: <u>100%</u> Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus effusus</u>	<u>H</u>	<u>FACW+</u>	9.		
2. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Carex lasiocarpa</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Carex spp</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	14.		
7. <u>Cyperus cyperinus</u>	<u>L</u>	<u>FACW+</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>photo 13</u> <u>photo 14 offsite wetland NE of AR 30</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10Yr 3/1			loam
3-6	A	10Yr 3/2	10Yr 5/6	many/large/bright	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County Wood</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>GD/JG/RD</u>	Date: <u>10/10/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>NR 30A-552</u>

**VEGETATION**

Plant Community Classification: <u>Upland</u> Percent Canopy Cover: Tree: <u>20%</u> Shrub: <u>40%</u> Herb: <u>60%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Prunus serotina</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Rubus sp</u>	<u>S</u>	<u>unknown</u>	10.		
3. <u>Acer saccharum</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>Carex sp</u>	<u>H</u>	<u>unknown</u>	12.		
5. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 6"</u> Depth to Saturated Soil (in.): <u>&gt; 6"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10Yr 3/1	-	-	loam
3-4	A	10Yr 3/2	-	-	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
				Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
				Is this an Isolated Wetland? Yes No
Remarks				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>Clinton County Wetland</u> Applicant/Owner: <u>HORTON</u> Investigator: <u>GD/JG/AD</u>	Date: <u>10/10/05</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 30C-552</u>

**VEGETATION**

Plant Community Classification: <u>FOREST</u>					
Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>30</u> Herb: <u>45</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Prunus serotina</u>	<u>S</u>	<u>FACU</u>	10.		
3. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	12.		
5. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Rubus sp</u>	<u>H</u>	<u>Unknown</u>	14.		
7. <u>Rumex sp</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Lycopodium clavatum</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 6</u> Depth to Saturated Soil (in.): <u>&gt; 6</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10Yr 3/2	-	-	lean
3-6	A	10Yr 4/2	-	-	silty lean
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>		(Circle)		(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>			Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>			Is this an Isolated Wetland?	Yes <input type="radio"/> No <input type="radio"/>
Remarks					





TETRA TECH

SUBJECT Horizon

PROJECT Metric #45

TRAM 1

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 10/10/05 PAGE 1 OF 6 PAGES

# WETLAND A230A

0930 - back AT TURBINE #45

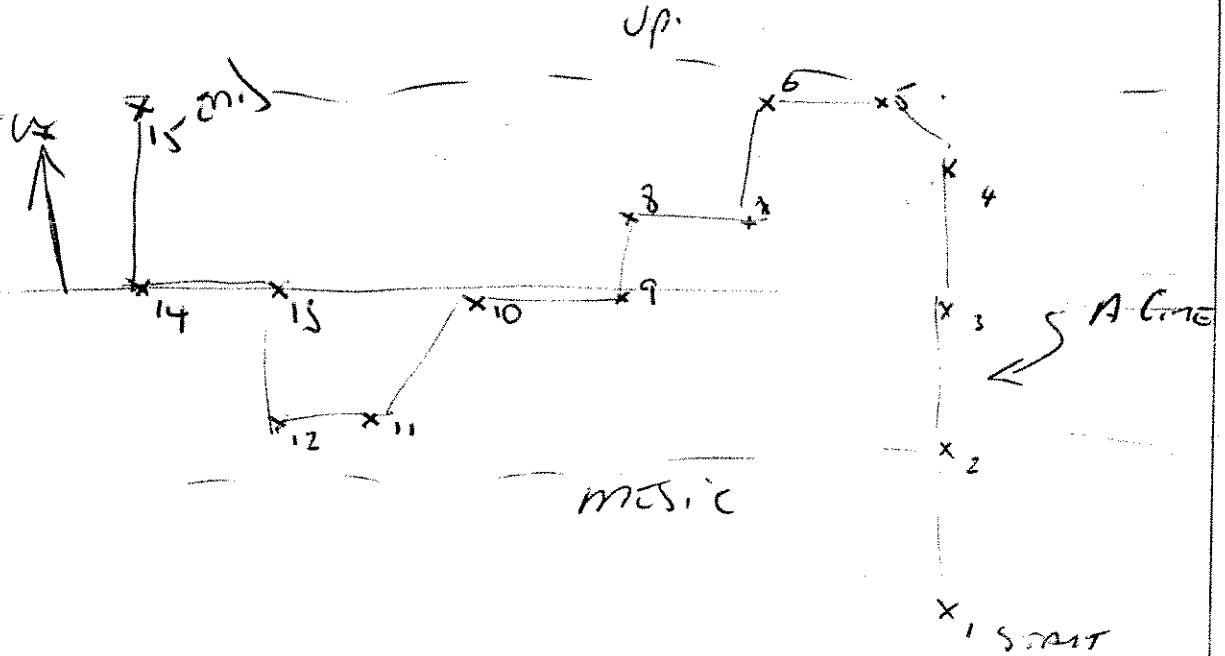
WETLAND A230

VERY MESIC AREA ~ 50% WET ? 50% up

- All turbines in OCT 6 map - ~~have~~ can be delineated
  - new ones popped in for GCE 7<sup>th</sup> list
  - Correct info
  - patric ok - exclude decision
- JOE  
Pinecreek

TELL STEVE.

AV  
MESIC  
WETLAND  
EXTENSIVE  
TO ENNE



\* Photo <sup>12</sup> AT pt 10 => SS 1 WSC

AR



TETRA TECH

SUBJECT HORIZON

TBAM 1

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT TURNIN #45

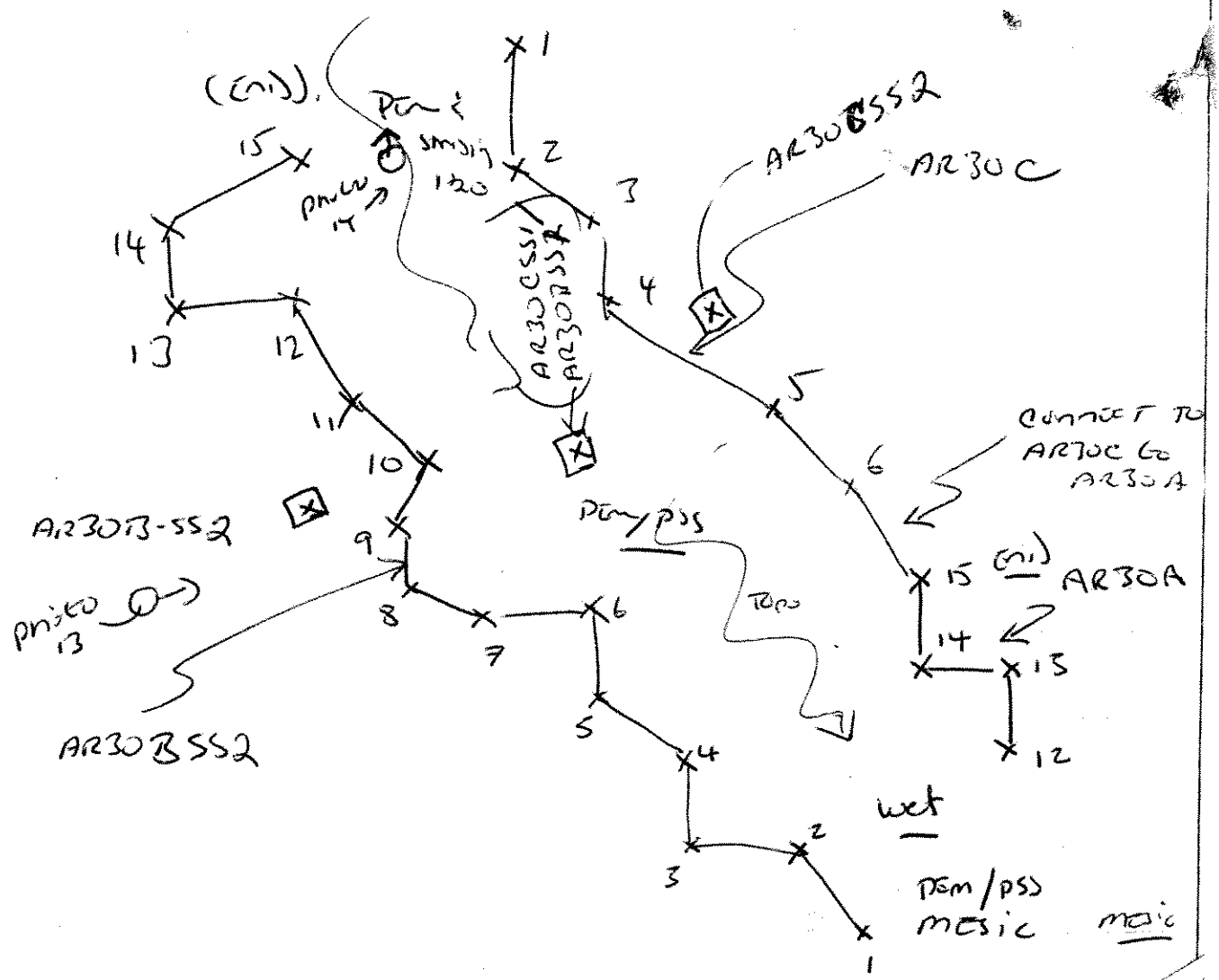
TC/P NO. \_\_\_\_\_

DATE 10/10/05 PAGE 2 OF 6 PAGES

# WELAND AR30B IC

Photo 13 - AR30B-SS2 - AR30B IC-SS1 & AR30C-SS2  
⇒ South

Photo 14 - PSM ⇒ N.E



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>Clinton County Windsor</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>GLD/JC</u>	Date: <u>10/10/05</u> County: <u>Clinton</u> State: <u>NY</u>		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: Transect ID: Plot ID: <u>AR 33A-SS1</u>			

**VEGETATION**

Plant Community Classification: <u>PEm1p55</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>40%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Scirpus cyathicus</u>	<u>H</u>	<u>FACW+</u>	11.		
4. <u>Sphagnum spp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Juncus chlorus</u>	<u>H</u>	<u>FACW+</u>	13.		
6. <u>Carex lurida</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>Spiraea latifolia</u>	<u>S</u>	<u>FAC+</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>3</u>  Depth to Free Standing Water in Pit (in.): <u>-</u>  Depth to Saturated Soil (in.): <u>-</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 3/1	—	—	10cm
0-6	A	10YR 4/1	—	many/mott/bright	Fe and Mn concretions silty sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input checked="" type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:  
 Large concretions of Fe and Mn

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle) Is this Sample Station Point Within a Wetland? Is this an Isolated Wetland?	(Circle)
Wetlands Hydrology Present?	Yes No		Yes No
Hydric Soils Present?	Yes No		Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County WINDFARM</i> Applicant/Owner: <i>HORRAN</i> Investigator: <i>R.D. G.D. J.B.</i>	Date: <i>10/10/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 33A-552</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i> Percent Canopy Cover: Tree: <i>20%</i> Shrub: <i>40%</i> Herb: <i>75%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	<i>S</i>	<i>FAC</i>	9.		
2. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. " "	<i>S</i>	<i>FAC</i>	11.		
4. " "	<i>H</i>	<i>FAC</i>	12.		
5. <i>Prunus serotina</i>	<i>S</i>	<i>FACU</i>	13.		
6. <i>Rubus allegheniensis</i>	<i>V</i>	<i>FACU</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>67%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt;6"</i> Depth to Saturated Soil (in.): <i>&gt;6"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10Yr 3/1			Sandy silt
2-6	A	10Yr 4/1			Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
			Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks				

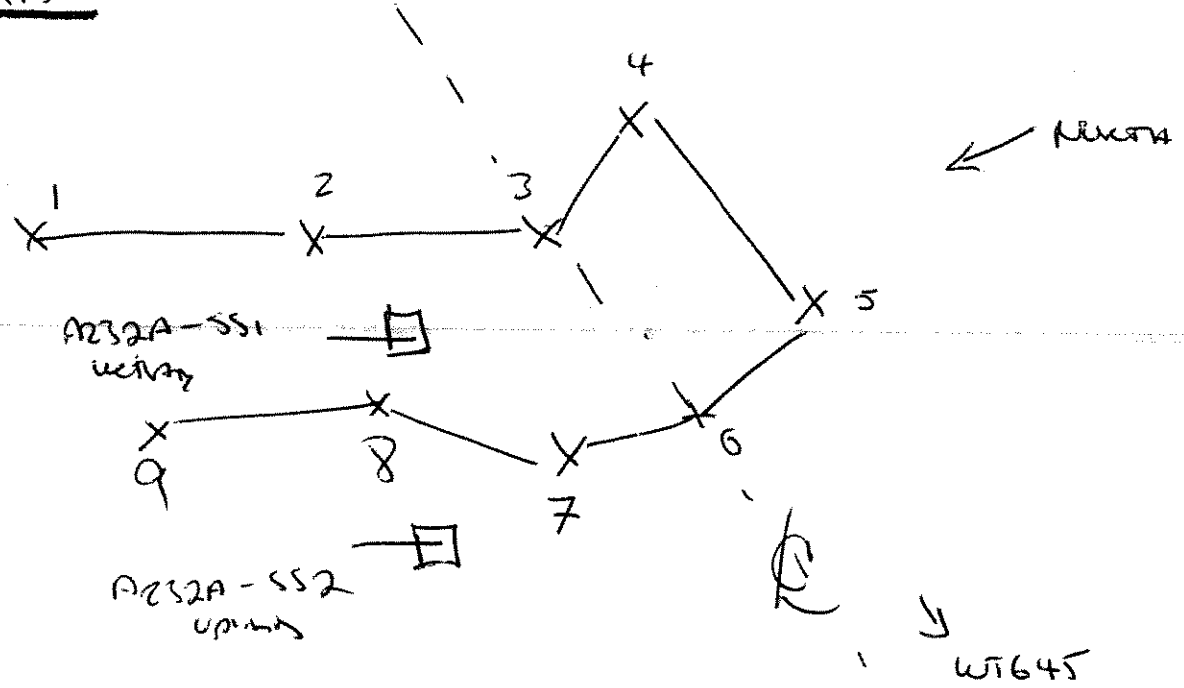


TETRA TECH

SUBJECT Horizon  
Team 1  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

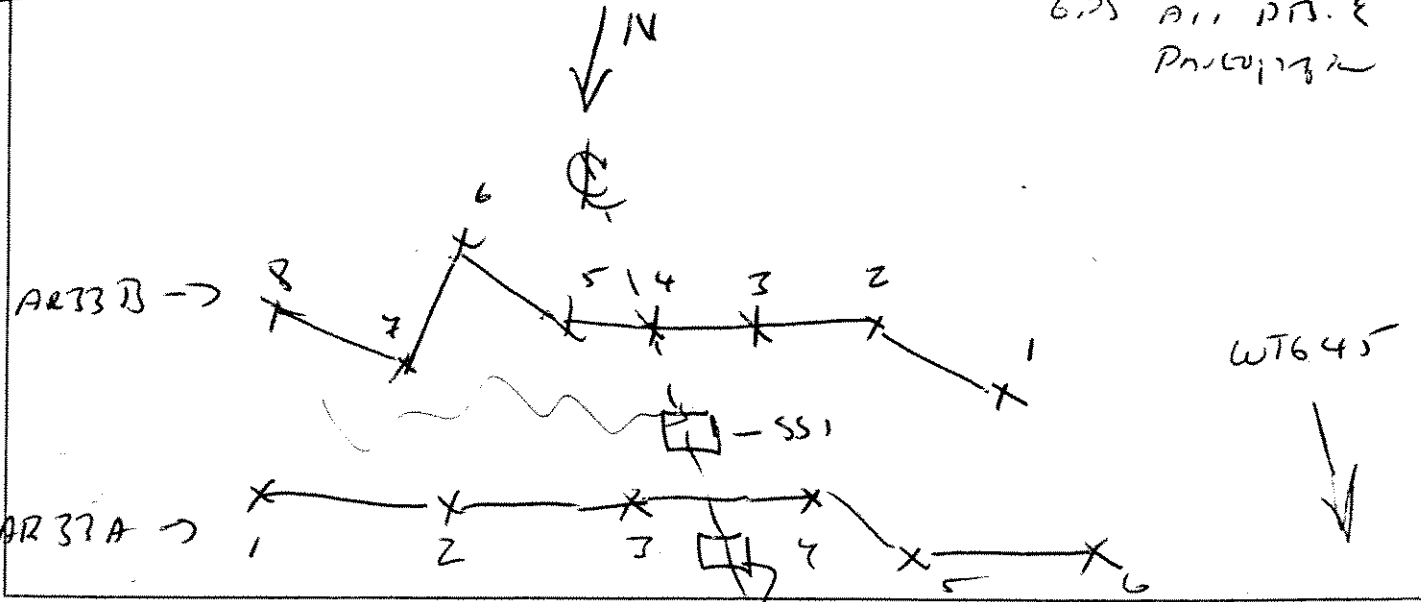
PROJECT Runin # 45  
TC/P NO. \_\_\_\_\_  
DATE \_\_\_\_\_ PAGE 4 OF 6 PAGES

WETLAND  
AR 32A



NOTE: - GPSEID - SAMPLES  
 SSI ; SS2  
 - battery dies on GPS - still need to  
 survey in wetland points & phytotype

WETLAND  
AR 33A & B



NOTE: NEED TO SURVEY W/  
 GPS ALL PTS. &  
 PHYTOTYPE

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: AR33 A SSI

**VEGETATION**

Plant Community Classification: *scrub*  
 Percent Canopy Cover: Tree: *<5* Shrub: *85* Herb: *95* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	S	FAC	10.		
3. <i>Scirpus</i> sp	H	FAEW	11.		
4. <i>Sphagnum</i> moss <i>&gt;50%</i>	H	DBL	12.		
5. <i>Moss</i> sp.	H	-	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
 Remarks: *cannot i.d species due to time of year*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>1" in spots</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>old skitter trail situated E &amp; W collects water from UPL areas to N/S. slight slope into WL and discharge surface + groundwater</i>	



Date: 5/7/07  
 Community ID: PSS  
 Plot ID: AR 33 A - SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/2			
3-7	A	10YR 2/1			SILT
7-9	B	10YR 4/2			SILT lam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: refusal @ ≤ 9 inches, water @ ~7"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks Photo 1 = E

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR33 A-SSa</u>

**VEGETATION**

Plant Community Classification: <u>Very early successional</u>					
Percent Canopy Cover: Tree: <u>15</u> Shrub: <u>100</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Abies balsamea</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Prunus sp.</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Petula populifolia</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Athyrium filix femina</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Lycopodium obscurum</u>	<u>H</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750</u>					
Remarks: <u>Area has recently been logged. Mature vegetation has been harvested. Tree canopy &lt; 5'.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/7/07  
 Community ID: UPL  
 Plot ID: AR33-A SSA

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:  
 Depth (Inches)      Horizon      Matrix Color (Munsell Moist)      Mottle Colors (Munsell Moist)      Mottles Abundance/Size/Contrast      Texture, Concretions, Structure, etc.

0-2	O	7.5YR 2.5/2	10YR 6/2	distinct, common, med.	silt
2-6	A	10YR 2/1	10YR 6/2		silt loam
6-16	B	10YR 5/6			

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: organic streaks in B horizon

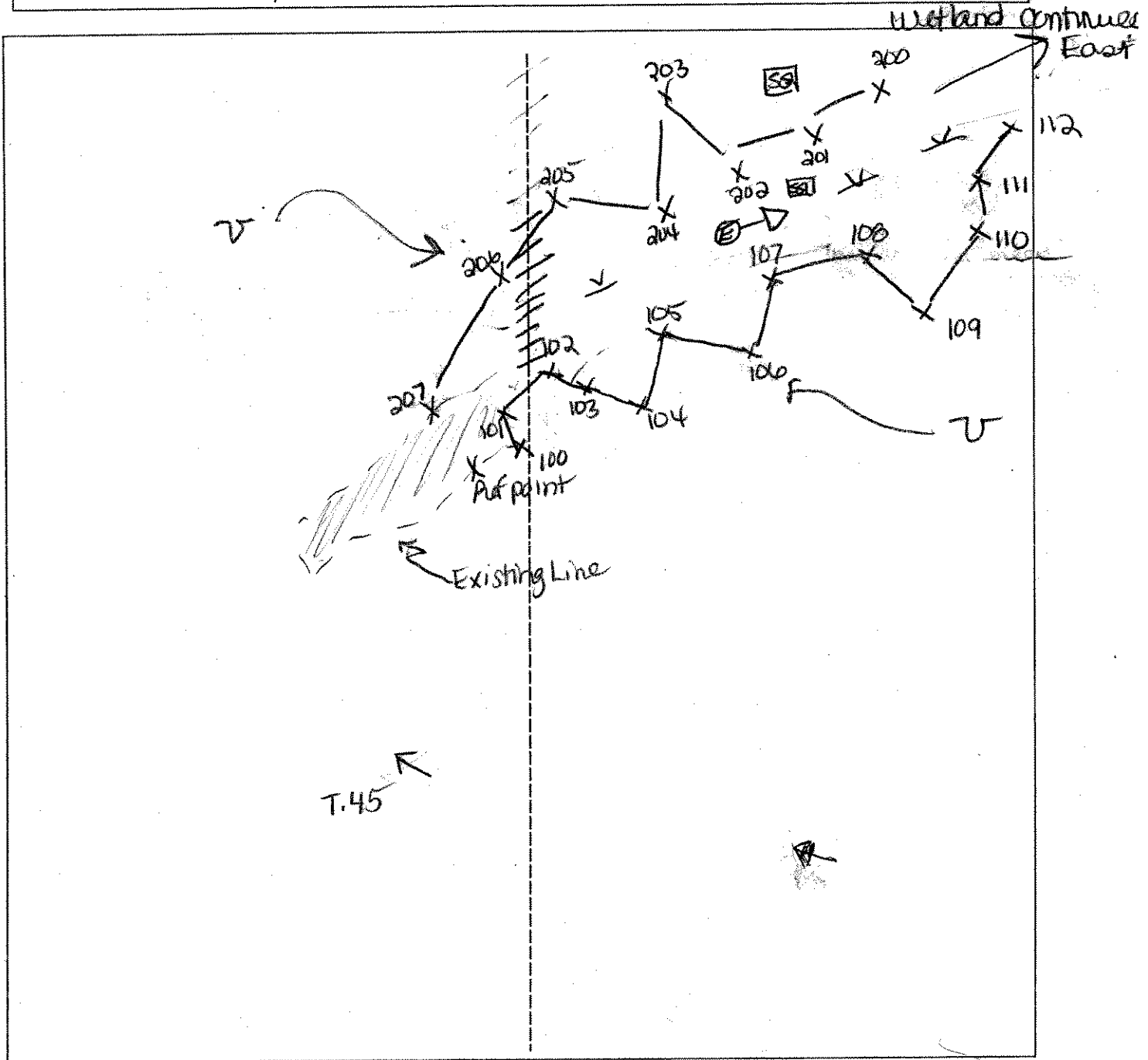
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: AP 33- A EXTENSION	Date: 5/7/07	Time:
Initials of Delineators: JV AP	Location: E OF T.45	
Roll #:	Frames: FE	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wmca</i>	Date: <i>10/2/05</i>
Applicant/Owner: <i>HORRION</i>	County: <i>Clinton</i>
Investigator: <i>GLD/JG</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 35A-SSI</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Is the area a potential Problem Area? (If needed, explain on reverse.) Yes <input type="radio"/> No <input checked="" type="radio"/>	

**VEGETATION**

Plant Community Classification: <i>Pem 1PSS</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>20</i> Herb: <i>90</i> Vine: <i>8</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus cyrinus</i>	<i>H</i>	<i>FACW</i>	9.		
2. <i>Alysicornis canadensis</i>	<i>H</i>	<i>OBL</i>	10.		
3. <i>Juncus effusus</i>	<i>H</i>	<i>FACW+</i>	11.		
4. <i>Sagittaria</i>	<i>A</i>	<i>—</i>	12.		
5. <i>Spiraea tomentosa</i>	<i>S</i>	<i>FACW</i>	13.		
6. <i>Carex scoparia</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Betula populifolia</i>	<i>S</i>	<i>FAC</i>	15.		
8. <i>Juncus tenuis</i>	<i>H</i>	<i>FAC-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>4</i>  Depth to Free Standing Water in Pit (in.): <i>-</i>  Depth to Saturated Soil (in.): <i>-</i>	
Remarks: <i>Inundated</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3 3-6	D	10YR 3/1 10YR 4/2	10YR 5/6	Many / large / bright	Fe silty sand loam Fe con silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
			Is this an Isolated Wetland? <input type="radio"/> Yes <input checked="" type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Wood Farm Applicant/Owner: Horizon Investigator: GCS/SL	Date: 10/12/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: AR 35A-SS2

**VEGETATION**

Plant Community Classification: <i>Upland</i>					
Percent Canopy Cover: Tree: $\emptyset$ Shrub: $\emptyset$ Herb: 100% Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Trifolium pratense</i>	H	FACU	9.		
2. <i>Trifolium repens</i>	H	FACU	10.		
3. <i>Scilla</i>	H	FACU	11.		
4. <i>Plantago lanceolata</i>	H	UPL	12.		
5. <i>Carex</i> spp	H		13.		
6. <i>Hieracium aurantiacum</i>	H	NL	14.		
7. <i>Taraxacum officinale</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): 76" Depth to Saturated Soil (in.): 26"	
Remarks:	







TETRA TECH

SUBJECT Horizon

TEAM 1

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT Turbine # 45

TC/P NO. \_\_\_\_\_

DATE \_\_\_\_\_ PAGE 5 OF 6 PAGES

PROB # 17 at AR34 ⇒ East.

PROB # 18 At AR 35 → Northwest → NORTH

WETLAND  
AR35 A & B

← Existing Access Road.

AR35 A

9

X

X

7

X

X

6

X

X

4

X

3

X

2

X

X

1

5

X

X

6

X

4

X

X

3

X

X

1

X

X

2

7

X

X

8

X

9

AR35 B

NOTE: need to  
GPS AvC

T 45

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <del>Ellenburg</del> <i>Windsor</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>ED, JB.</i>	Date: <i>10/1/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 36A-591</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i> Percent Canopy Cover: Tree: $\emptyset$ Shrub: $\emptyset$ Herb: <i>100</i> Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>arrabidaea</i>	<i>H</i>		9.		
2. <i>low/wanna</i>	<i>H</i>		10.		
3. <i>small white aster</i>	<i>H</i>		11.		
4. <i>Sensitive Fern</i>	<i>H</i>		12.		
5. <i>Carex lurida</i>	<i>H</i>		13.		
6. <i>Carex spp</i>	<i>H</i>		14.		
7. <i>GR</i>	<i>H</i>		15.		
8. <i>spina</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): $\emptyset$  Depth to Free Standing Water in Pit (in.): <i>4"</i>  Depth to Saturated Soil (in.): <i>2"</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes. No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	<u>O</u>	10Yr 3/1	—	—	loam
6-12	A	10Yr 3/2	1—	—	silty loam
12-18	A	10Yr 3/3	10YR 5/8	many/large/bright	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<u>Yes</u> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<u>Yes</u> No		
Hydric Soils Present?	<u>Yes</u> No	Is this Sample Station Point Within a Wetland?	<u>Yes</u> No
Remarks <u>photo # 19</u>			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> <u>Windsor</u> Applicant/Owner: Horizon Renewable Energy Investigator: <u>GD, JG</u>	Date: <u>10/11/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR36A-552</u>

**VEGETATION**

OPEN

Plant Community Classification: UPTAW

Percent Canopy Cover: Tree: 0 Shrub: 20% Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>y. birch</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>pearly everlasting</u>	<u>4</u>	<u>UPL*</u>	10.		
3. <u>Salix idahoensis</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Salicago rugosa</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Balsam Fir</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Salicago alba</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Fragaria virginiana</u>	<u>H</u>	<u>FAC</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 57%

Remarks: \* NOT LISTED

**HYDROLOGY**

<p><input type="checkbox"/> Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated in upper 12 inches</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil Survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>0</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>&gt; 6</u></p> <p>Depth to Saturated Soil (in.): <u>&gt; 6</u></p>	
<p>Remarks:</p> <p><u>Auger Refusal @ 6"</u></p>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/6	—	—	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks			



TETRA TECH

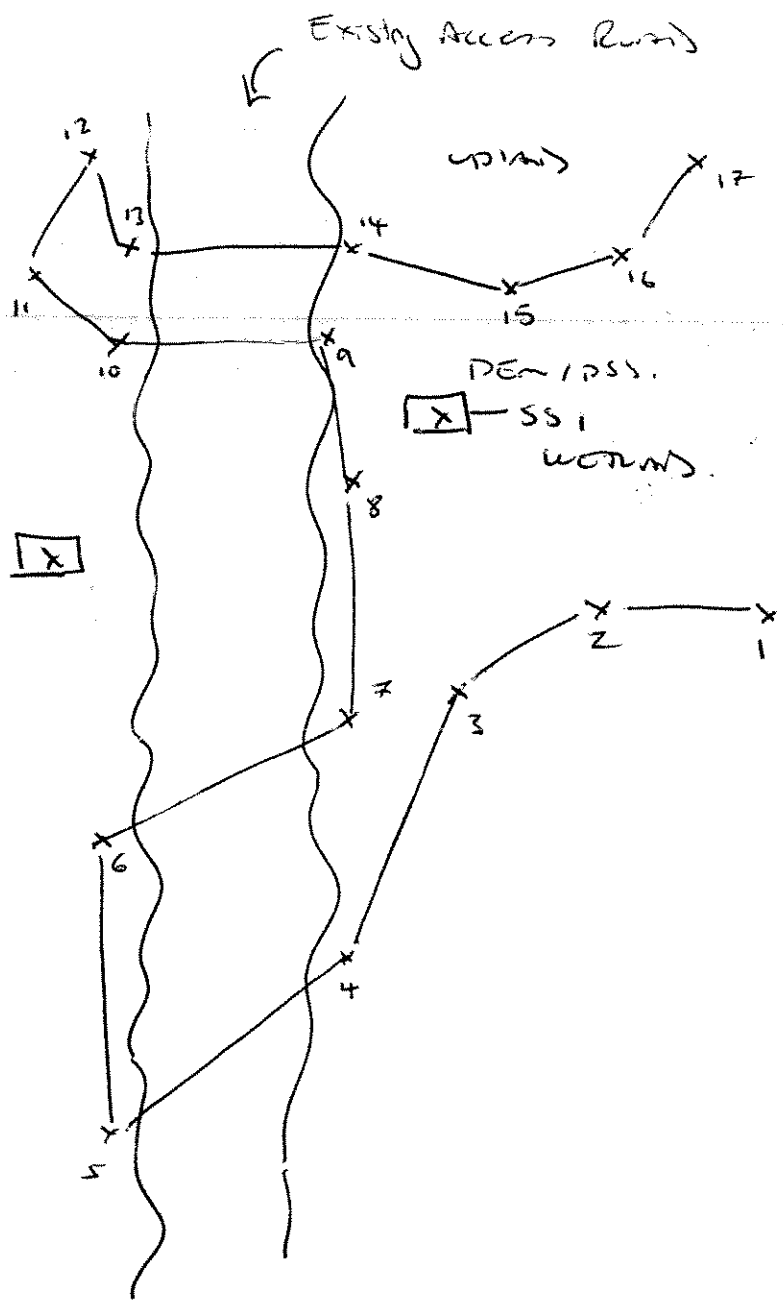
SUBJECT Harmon  
TEAM 1  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT TURKEY # 45  
TC/P NO. \_\_\_\_\_  
DATE \_\_\_\_\_ PAGE 6 OF 6 PAGES

AR 363.

→ NORTH

NOTE: NO A Line  
NEED TO GPS.  
ALL



\*NOTE: Change  
number to A  
line with GPS.

Flowed AR 37, AR 38 & AR 39

- not numbered
- not stake strings
- not privy lines
- not GPSed

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County Winifred</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>DJ, JB</i>	Date: <i>10/12/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR37A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>50</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alisma subcordatum</i>	H	OBL	9. <i>Betula populifolia</i>	S	FAC
2. <i>Phalaris arundinacea</i>	H	FACW+	10. <i>Salix sericea</i>	S	OBL
3. <i>Bidens connata</i>	H	FACW+	11.		
4. <i>Carex lasiocarpa</i>	H	OBL	12.		
5. <i>Spiraea tomentosa</i>	H	FACW	13.		
6. <i>Sambucus nigra</i>	H	FACW-	14.		
7. <i>Galium aparine</i>	H	OBL	15.		
8. <i>Polygonum sagittatum</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <div style="font-size: 2em; margin-left: 100px;">Photo # 22</div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>4"</i> Depth to Saturated Soil (in.): <i>2"</i>	
Remarks: <i>Auger refusal @ 12"</i>	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10 yr 3/2	10 yr 5/6	many/small/bright	loamy sand
6-12	A	10 yr 3/1	10 yr 5/7	" " "	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input checked="" type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:  
 Soils strongly hydric numerous indicators present.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)		
Wetlands Hydrology Present?	Yes	No			(Circle)
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes No
				Is this an Isolated Wetland?	Yes No

Remarks



T455

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co., Windsor</i> Applicant/Owner: <i>Marion</i> Investigator: <i>DA JB</i>	Date: <i>10/2/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 37A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>Pem</i>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <i>10%</i> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Poa spp</i>	H	<i>unkn</i>	9.		
2. <i>Setaria pectinifolia</i>	S	FAC	10.		
3. <i>Solidago rugosa</i>	H	FAC	11.		
4. <i>Solidago graminifolia</i>	H	FAC	12.		
5. <i>Ranunculus repens</i>	H	FAC	13.		
6. <i>Sparganium latifolia</i>	S	FAC+	14.		
7. <i>Phytolacca praterse</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>86%</i>					
Remarks:					

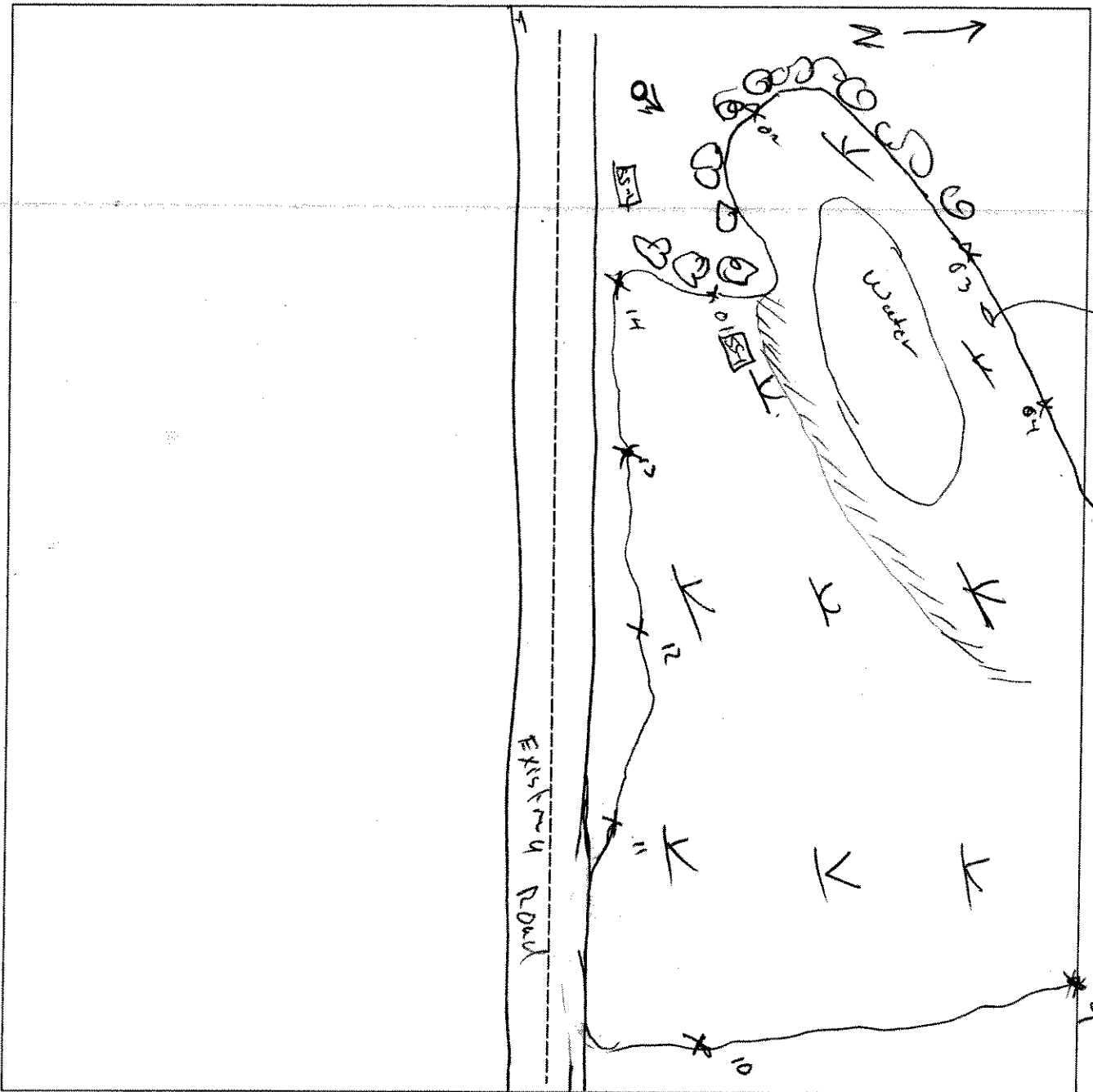
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 8"</i>  Depth to Saturated Soil (in.): <i>&gt; 8"</i>	
Remarks: <i>meter refusal @ 8 inch</i>	



SKETCH FORM

Wetland ID/Route #: <i>AR 37 A</i>	Date: <i>20/11/05</i> Time: <i>11045</i>
Initials of Delineators:	Location:
Roll #: <i># 22</i>	Frames:



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County WMA</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>GS/SG</u>	Date: <u>10/11/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 28A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PEM/SS</u>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>20</u> Herb: <u>50%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<u>1. Polygonum sagittatum</u>	<u>H</u>	<u>OBL</u>	<u>9.</u>		
<u>2. Lycopodium uniflorum</u>	<u>H</u>	<u>OBL</u>	<u>10.</u>		
<u>3. Botula populifolia</u>	<u>S</u>	<u>FAC</u>	<u>11.</u>		
<u>4. Abies balsamea</u>	<u>S</u>	<u>FAC</u>	<u>12.</u>		
<u>5. Phalaris arundinacea</u>	<u>H</u>	<u>FACW+</u>	<u>13.</u>		
<u>6. Juncus effusus</u>	<u>H</u>	<u>FACW+</u>	<u>14.</u>		
<u>7. Polygonum hydropiperoides</u>	<u>H</u>	<u>OBL</u>	<u>15.</u>		
<u>8. Solidago rugosa</u>	<u>H</u>	<u>FAC</u>	<u>16.</u>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>106%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 8</u>  Depth to Saturated Soil (in.): <u>&gt; 8</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-3/2	10Y-5/7	many/large/distinct	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks <i>Isolated wetland</i>				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County wood</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>GD/JS</i>	Date: <i>10/1/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR - 38A 552</i>

**VEGETATION**

Plant Community Classification: *UPTLAND*

Percent Canopy Cover:      Tree:      Shrub:      Herb:      Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phleum pratense</i>	H	FACU	9.		
2. <i>Phalaris arundinacea</i>	H	FACW+	10.		
3. <i>Ranunculus repens</i>	H	FAC	11.		
4. <i>Trifolium pratense</i>	H	FACU-	12.		
5. <i>Medicago sativa</i>	H	TL	13.		
6. <i>Achillea millefolium</i>	H	TL	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *16.6670*

Remarks:  
*Photo # 23 Looking south east*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 8"</i> Depth to Saturated Soil (in.): <i>&gt; 8"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 4/3	—	—	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

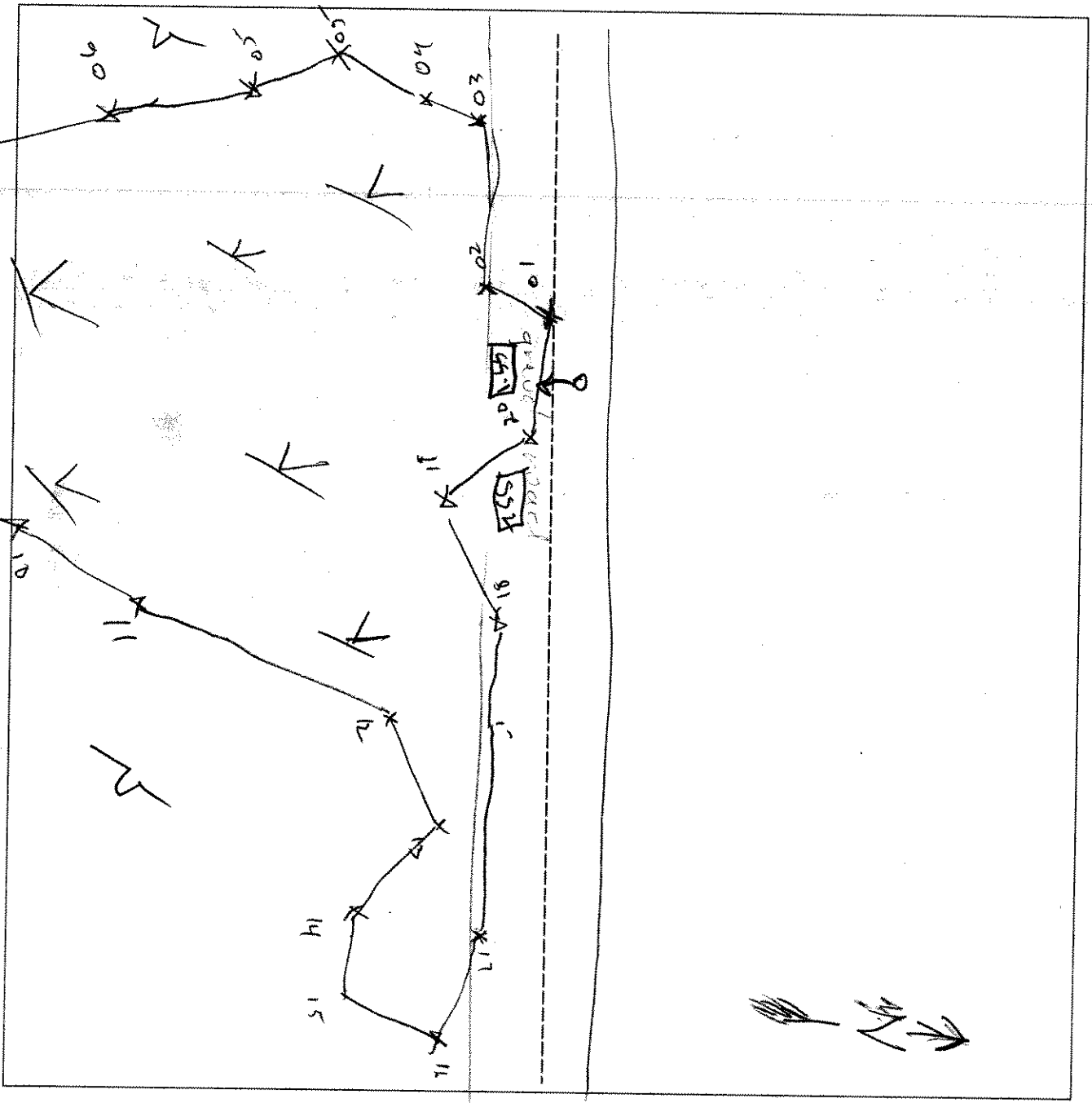
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No		
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes <input checked="" type="radio"/> No
Remarks				

T-45

SKETCH FORM

Wetland ID/Route #: <b>AR 38A</b>	Date: <b>10/11/05</b>	Time: <b>12:30</b>
Initials of Delineators:	Location:	
Roll #: <b>#23</b>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i>	Date: <i>10/11/05</i>
Applicant/Owner: <i>HURTMAN</i>	County: <i>Clinton</i>
Investigator: <i>CJD/SC</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR39A-SS1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>10%</i> Herb: <i>90%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phalaris arundinacea</i>	H	FACW+	9.		
2. <i>Juncus effusus</i>	H	FACW+	10.		
3. <i>Carex scoparia</i>	H	FACW	11.		
4. <i>Polygonum sagittatum</i>	H	OBL	12.		
5. <i>Bidens aristosa</i>	H	FACW-	13.		
6. <i>Salix sericea</i>	SIL	OBL	14.		
7. <i>Aster nov-belgii</i>	H	FACW+	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:  <i>Photo # 24</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 12</i> Depth to Saturated Soil (in.): <i>8"</i>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-3/2			Sandy loam s
6-12	A	10Y-3/2	10Yr 5/6	many/medium/distinct	Fe con sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes No
Wetlands Hydrology Present?	Yes No		Is this an Isolated Wetland?	Yes No
Hydric Soils Present?	Yes No			
Remarks				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co Windsor</i>	Date: <i>10/11/05</i>
Applicant/Owner: <i>ITWizer</i>	County: <i>Clinton</i>
Investigator: <i>J.G. 68</i>	State: <i>NV</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>A239A-SSL</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *open upland*

Plant Community Classification: <i>open upland</i>					
Percent Canopy Cover: Tree: <input checked="" type="radio"/> Shrub: <input checked="" type="radio"/> Herb: <i>100%</i> Vine: <input checked="" type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Cirsium vulgare</i>	H	FACU	9.		
2. <i>Verbascum blattaria</i>	H	UPL	10.		
3. <i>Poa pratensis</i>	H	FACU	11.		
4. <i>Phlox pratensis</i>	H	FACU	12.		
5. <i>Secale spp</i>	H	-	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <input checked="" type="radio"/>					
Remarks:  <i>11</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt;12</i> Depth to Saturated Soil (in.): <i>&gt;12</i>	
Remarks:	

ID:

**SOILS**

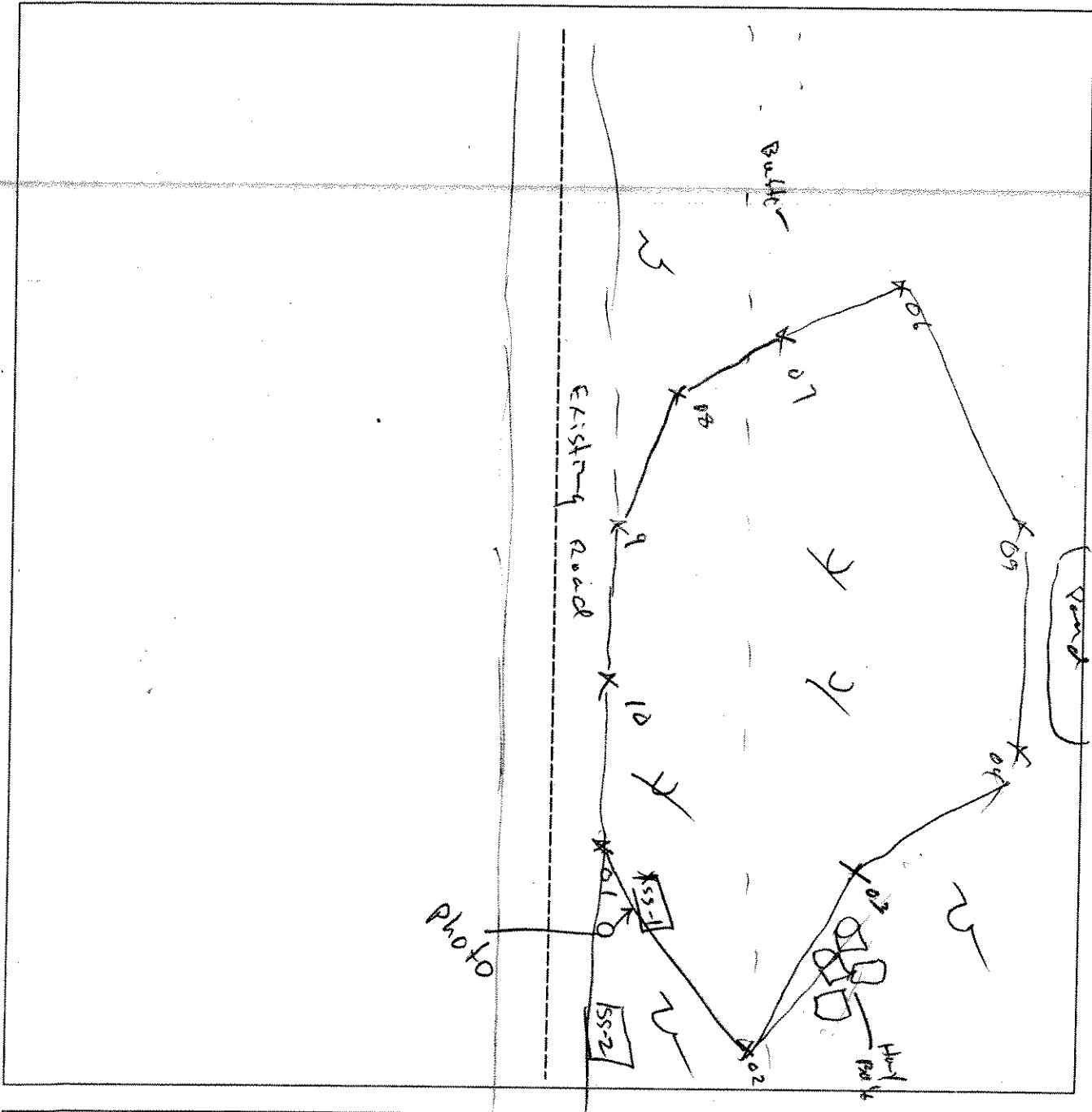
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/3	—	—	silty loam
6-12	A	10Y 3/2	—	—	silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No			
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
				Is this an Isolated Wetland?	Yes No
Remarks					

SKETCH FORM

Wetland ID/Route #: AR 39A	Date: 10/11/05	Time: 1340
Int'ials of Delineators:	Location:	
Roll #: C-10 camera	Frames: # 24	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>Clinton County</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>GODIG</u>	Date: <u>10/11/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 40A - SS 1</u>

**VEGETATION**

*Pem*

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Phalaris arundinacea</u>	<u>H</u>	<u>FACW+</u>	9.		
2. <u>Juncus obtusifolius</u>	<u>H</u>	<u>FACW+</u>	10.		
3. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>7.2</u>  Depth to Saturated Soil (in.): <u>9.11</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	10YR 5/6	few/medium/distinct	Silty sand
6-12	A	10YR 4/2	10YR 5/6	many/darge/distinct	Fe concretions silty loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		
			Is this Sample Station Point Within a Wetland? Yes No Is this an Isolated Wetland? Yes No

Remarks

Isolated wetland in abandoned gravel pit.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wmnd</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>CSO/SG</i>	Date: <i>10/11/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 40A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>Upland</i>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phleum pratense</i>	H	FACU	9.		
2. <i>Leontodon autumnalis</i>	H	NL	10.		
3. <i>Taraxacum officinale</i>	H	FACU-	11.		
4. <i>Tribolium repens</i>	H	FACU-	12.		
5. <i>Phalaris arundinacea</i>	H	FACW+	13.		
6. <i>Plantain major</i>	H	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>20%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 4</i>  Depth to Saturated Soil (in.): <i>&gt; 4</i>	
Remarks:	



ID:

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-3/3	—	—	Silty loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

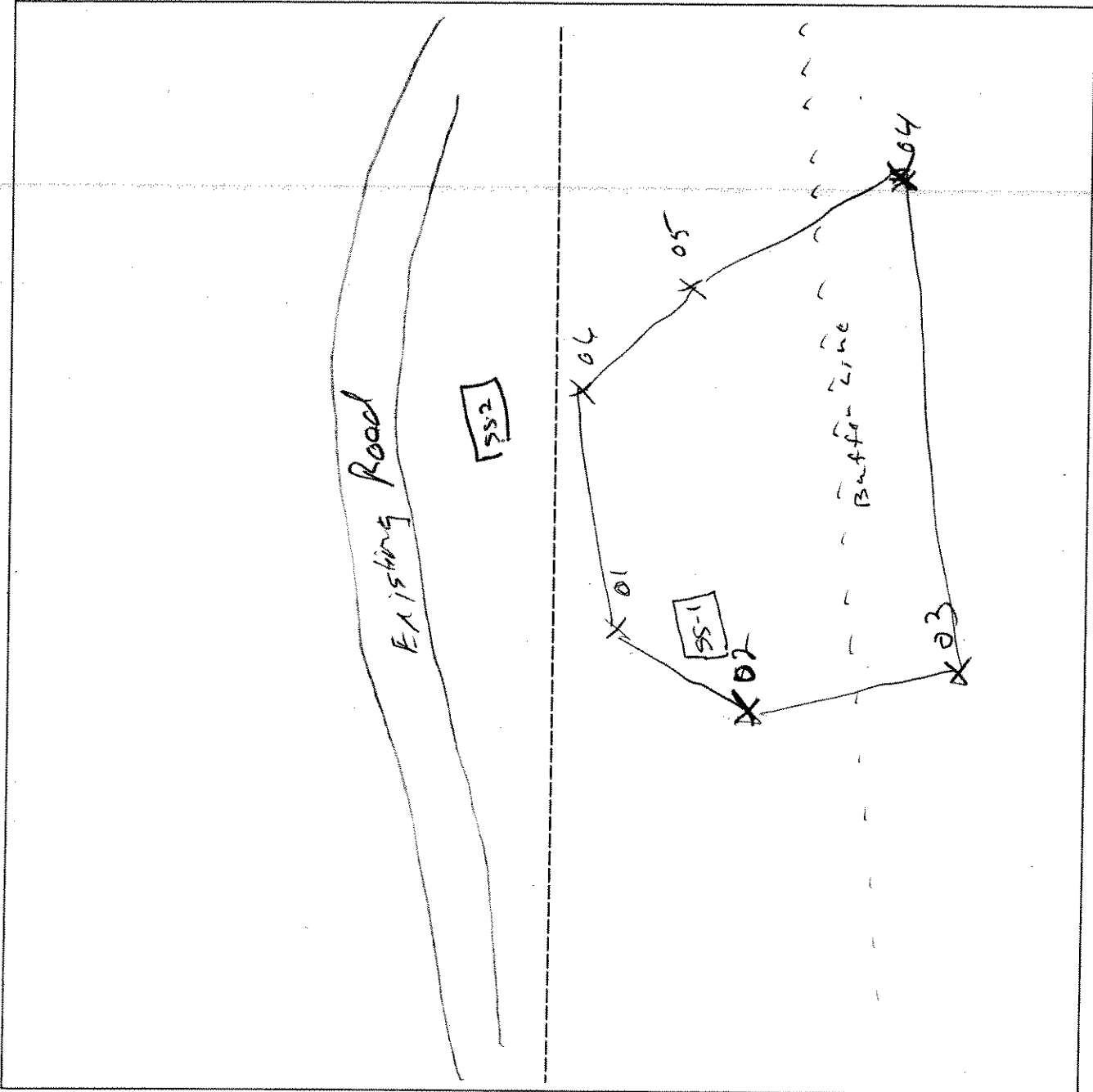
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Remarks

SKETCH FORM

Wetland ID/Route #: AR 40A	Date: 10/11/05	Time: 14:43
Initials of Delineators:	Location: Clinton County, NY	
Roll #: # 25	Frames:	



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

T 28

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Windsor</i> Applicant/Owner: <i>HORTON</i> Investigator: <i>COA/SG</i>	Date: <i>10/2/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>ARH1A/B/SS1</i>

**VEGETATION**

Plant Community Classification: <i>PFM</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>aromatic</i>	H	OBI	9.		
2. <i>annual</i>	H	UPL*	10.		
3. <i>Ternstroemia</i>	H		11.		
4. <i>New York Aster</i>	H	FACWT	12.		
5. <i>creeping buttercup</i>	H	FAC	13.		
6. <i>Solidago</i> sp.	H	unknown	14.		
7. <i>cauliculus</i>	H	OBL	15.		
8. <i>Scirpus americanus</i>	H	ODC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks: <i>photos 28 + 29 * NOT LISTED</i>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated in upper 12 inches          ___ Water Marks  <input checked="" type="checkbox"/> Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil Survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <i>0</i>          Depth to Free Standing Water in Pit (in.): <i>3"</i>          Depth to Saturated Soil (in.): <i>1"</i></p>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10Y 3/1	—	—	lean
3-6	A	10Y 4/2	10Y 5/6	large/many/bright	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)	
Wetlands Hydrology Present?	(Yes) No		
Hydric Soils Present?	(Yes) No		
		Is this Sample Station Point Within a Wetland?	(Yes) No
		Is this an Isolated Wetland?	Yes (No)
Remarks Photo Number 28 + 29			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County wood farm</i> Applicant/Owner: <i>HORIZON</i> Investigator: <i>GDJ/JG</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 41A/B-552</i>

**VEGETATION**

Plant Community Classification: <i>Upland</i>					
Percent Canopy Cover: Tree: <input type="checkbox"/> Shrub: <input type="checkbox"/> Herb: <i>100%</i> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Poa sp</i>	<i>H</i>	<i>unknown</i>	9.		
2. <i>cowitch</i>	<i>H</i>	<i>UPL*</i>	10.		
3. <i>Amelanchier</i>	<i>H</i>	<i>UPL*</i>	11.		
4. <i>white clover</i>	<i>H</i>	<i>FACU-</i>	12.		
5. <i>c. buttercup</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Red clover</i>	<i>H</i>	<i>FACW+</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>Hay ground. * NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>6</i> Depth to Free Standing Water in Pit (in.): <i>&gt;6</i> Depth to Saturated Soil (in.): <i>&gt;6</i>	
Remarks:	

ID:

**SOILS**

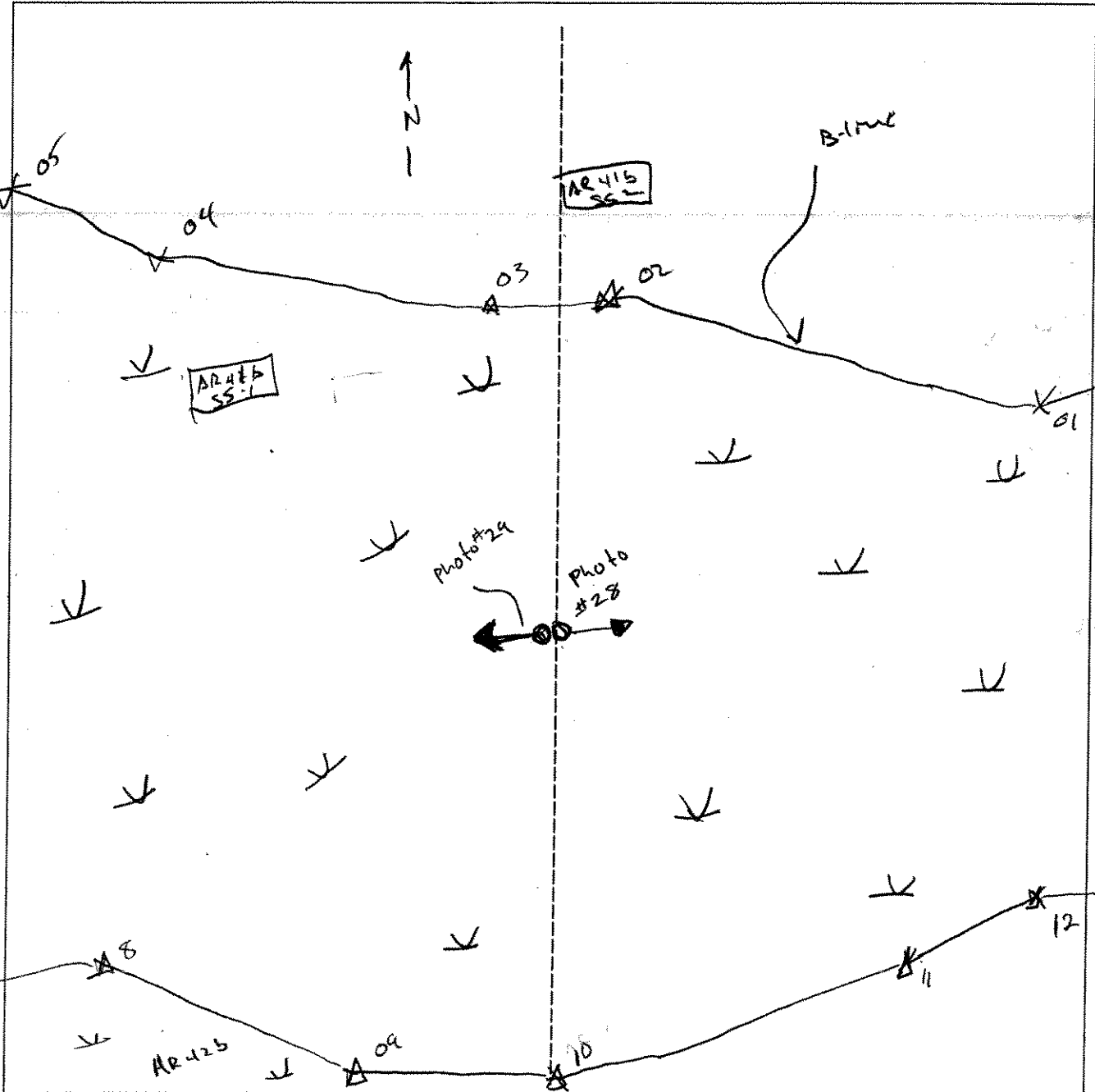
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10Y-3/3	—	—	silty sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: rotational @ 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: <b>AR 41</b>	Date: <b>10/12/05</b>	Time: <b>11:00</b>
Initials of Delineators: <b>JG, GD</b>	Location: <b>Clinton</b>	
Roll #: <b># 27</b>	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

LIVE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: PEM + PSS Transect ID: Plot ID: AR41 A SSI

**VEGETATION**

Plant Community Classification: A9 field w/ portions PSS  
 Percent Canopy Cover: Tree: 0 Shrub: 10 Herb: 100 Vine: 0

PEM

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Phalaris arundinacea</i>	H	FACW	9. <i>Alnus rugosa</i>	S	FACW
2. <i>Ranunculus</i>	H	FAC	10. <i>Abies balsamea</i>	S	FAC
3. <i>Moss sp</i>	M	—	11. <i>Spirea latifolia</i>	H	FAC
4. <i>Sorbus sp</i>	M	FACW	12. <i>Urtica gracilis</i>	H	FACW
5.			13. <i>grass sp</i>	H	—
6.			14.		
7.			15.		
8.			16.		

PSS

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50%

Remarks: cannot i.d species due to time of year

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): NA Depth to Saturated Soil (in.): upper 12"	
Remarks:	



Date: 5/7/07  
 Community ID:  
 Plot ID: 881 AR41 A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 3/2	2.5Y 4/4	distinct, few, fine	Silty clay loam
5-16	B	10YR 4/6	2.5Y 5/3	distinct, many, med	Silty clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AP 41 A 552

**VEGETATION**

Plant Community Classification: Ag Field / Old Field					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Solidago sp	H	-	9.		
2. Galium	H	FACU	10.		
3. Ranunculus	H	FAC	11.		
4. Taraxacum officinale	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): < 50%					
Remarks: Cannot i.d species due to time of year					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations: NA</p> <p>Depth of Surface Water (in.):          Depth to Free Standing Water in Pit (in.):          Depth to Saturated Soil (in.):</p>	
Remarks:	

Date: 5/7/07  
 Community ID: AR41A  
 Plot ID: 352

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	7.5YR 3/2			silt
5-15	B	10YR 3/3			silt loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: earthworms top 5" oxidized root channels in B, organic streaking in B

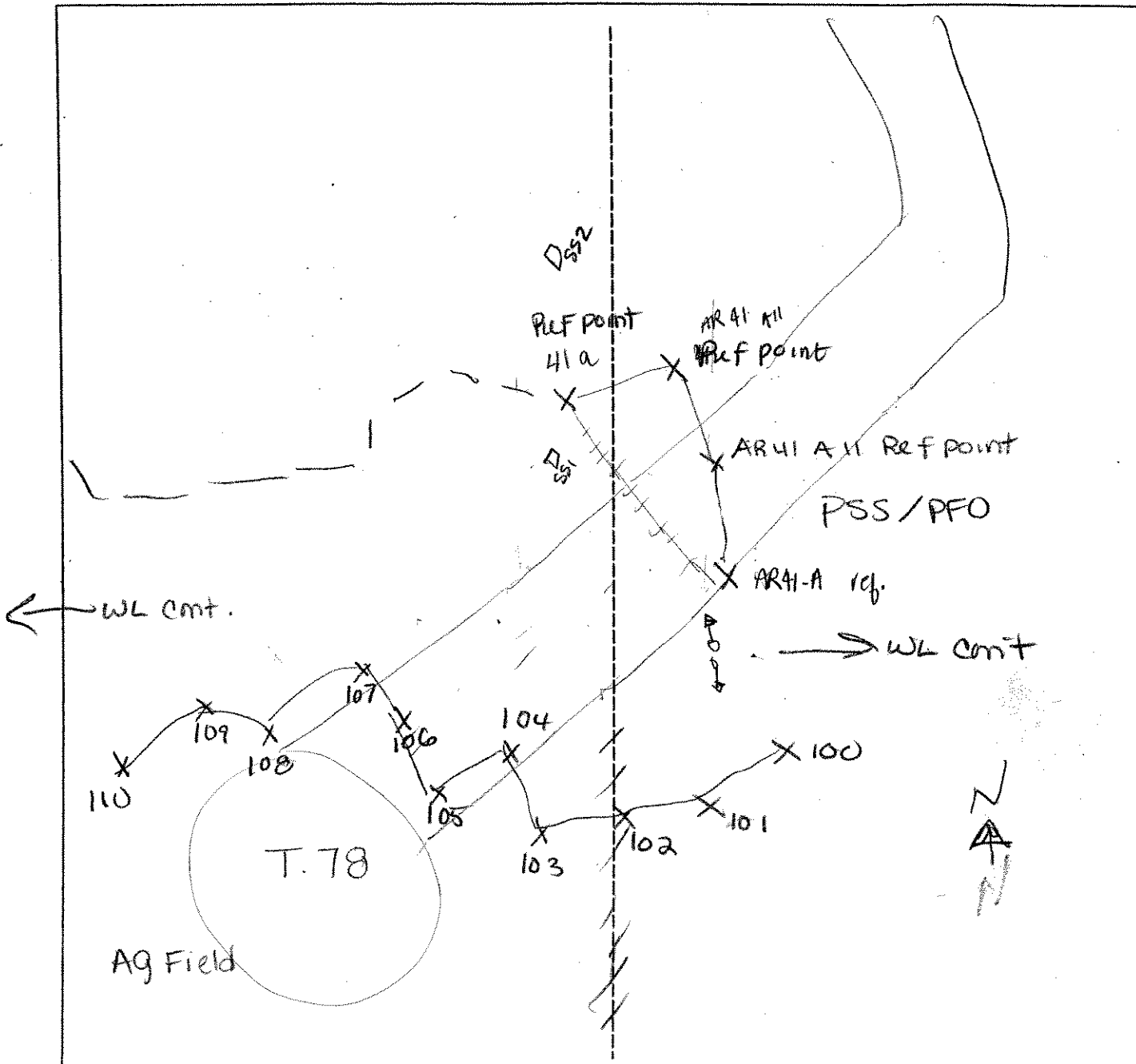
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: AR 41 - A EXTENSION	Date: 5/7/07	Time:
Initials of Delineators: JV AP	Location: T. 78	
Roll #:	Frames: A3 2 = W	PSS 3 = E



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>RJ</u>	Date: <u>5/22/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WERM.S</u> Transect ID: <u>172413</u> Plot ID: <u>-553</u>

**VEGETATION** WET HAYFIELD

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Canary Grass</u>	<u>H</u>	<u>FACW+</u>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>w/ scattered Juncus effusus</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>3"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Hydro - sheet flow SE to NW</u> <u>Slight DEPRESSIONAL AREA</u>	

Date: 5/22/07  
 Community ID: WERNM  
 Plot ID:

AR41B-SS4

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	7.5YR 4/1	—	—	Silty CLAY
10-18	II	10YR 5/1	7.5YR 4/6	Com/mo/wh	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor (slight)	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland?		
Hydric Soils Present?	Yes	No	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>CHARGE RIVER</u> Applicant/Owner: <u>HORTON</u> Investigator: <u>TECH</u>	Date: <u>5/22/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>A241B</u> Plot ID: <u>SS4</u>

**VEGETATION**

UPLAND Hay Field

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>GRASS</u>	<u>H</u>		9.		
2. <u>BUTTERCUP</u>	<u>H</u>	<u>FAC+</u>	10.		
3. <u>DANDELION</u>	<u>H</u>	<u>FACU-</u>	11.		
4. <u>YARROW</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>REED CAROLINIAN</u>	<u>H</u>	<u>FACU+</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>14"</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks: <u>W 1' Higher in top than A241B</u>	

Date: 5/22/02  
 Community ID: UPLAND  
 Plot ID: AR41B-SS4

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/1	5YR 5/8	com/med/POW	Silt loam
10-18	B	2.5YR 5/4			CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Isolated? Yes No	n/a
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MURPHY</u> Investigator: <u>RJD</u>	Date: <u>5/22/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>WERAN</u> Transect ID: <u>AR 41B</u> Plot ID: <u>SS5</u>

**VEGETATION**

PSS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>20%</u> Shrub: <u>75%</u> Herb: <u>95%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>American Elm</u>	<u>T</u>	<u>FACW-</u>	9. <u>TRIAL WEED</u>	<u>H</u>	<u>FACW</u>
2. <u>GRAY RICH</u>	<u>T</u>	<u>FAC</u>			
3. <u>SPICED ALDER</u>	<u>S</u>	<u>FACW+</u>			
4. <u>RED MAPLE</u>	<u>S</u>	<u>FAC</u>			
5. <u>RED CORKY BARK</u>	<u>H</u>	<u>FACW+</u>			
6. <u>JUDAS TREE</u>	<u>H</u>	<u>FACW+</u>			
7. <u>AMERICAN SP</u>	<u>H</u>				
8. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>89%</u>					
Remarks: <u>Signs of Recent (5-10 yrs) logging</u> <span style="float: right;"><u>few-FAISE</u> <u>HEL BENE</u></span>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>3" in RATED areas</u> Depth to Free Standing Water in Pit (in.): <u>12"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>- BROUCC Humming</u> <u>- TURKEY bottle (yesterday)</u>	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/2	-	-	Silt loam
6-18	II	2.5Y 5/4	-	-	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland?		
Hydric Soils Present?	Yes	No	Yes	No	
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>KULZON</u> Investigator: <u>JED</u>	Date: <u>5/22/07</u> County: <u>Clinch</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR413</u> Plot ID: <u>556</u>

**VEGETATION** UPLAND MARE FIELD

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>GRASS</u>	<u>H</u>		9.		
2. <u>Dandelion</u>	<u>H</u>	<u>FACU-</u>	10.		
3. <u>BUTTER CUP</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>TEED COWARD, GR</u>	<u>H</u>	<u>FACW+</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/22/07  
 Community ID: UPLAND  
 Plot ID: AR413-SS6

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	-	-	Silt loam
12-18	B	5Y 6/2 2.5Y 5/4	30Y 2 70Y 5	mix	CLAY loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
marginally Hydric Soil (Transition Area)

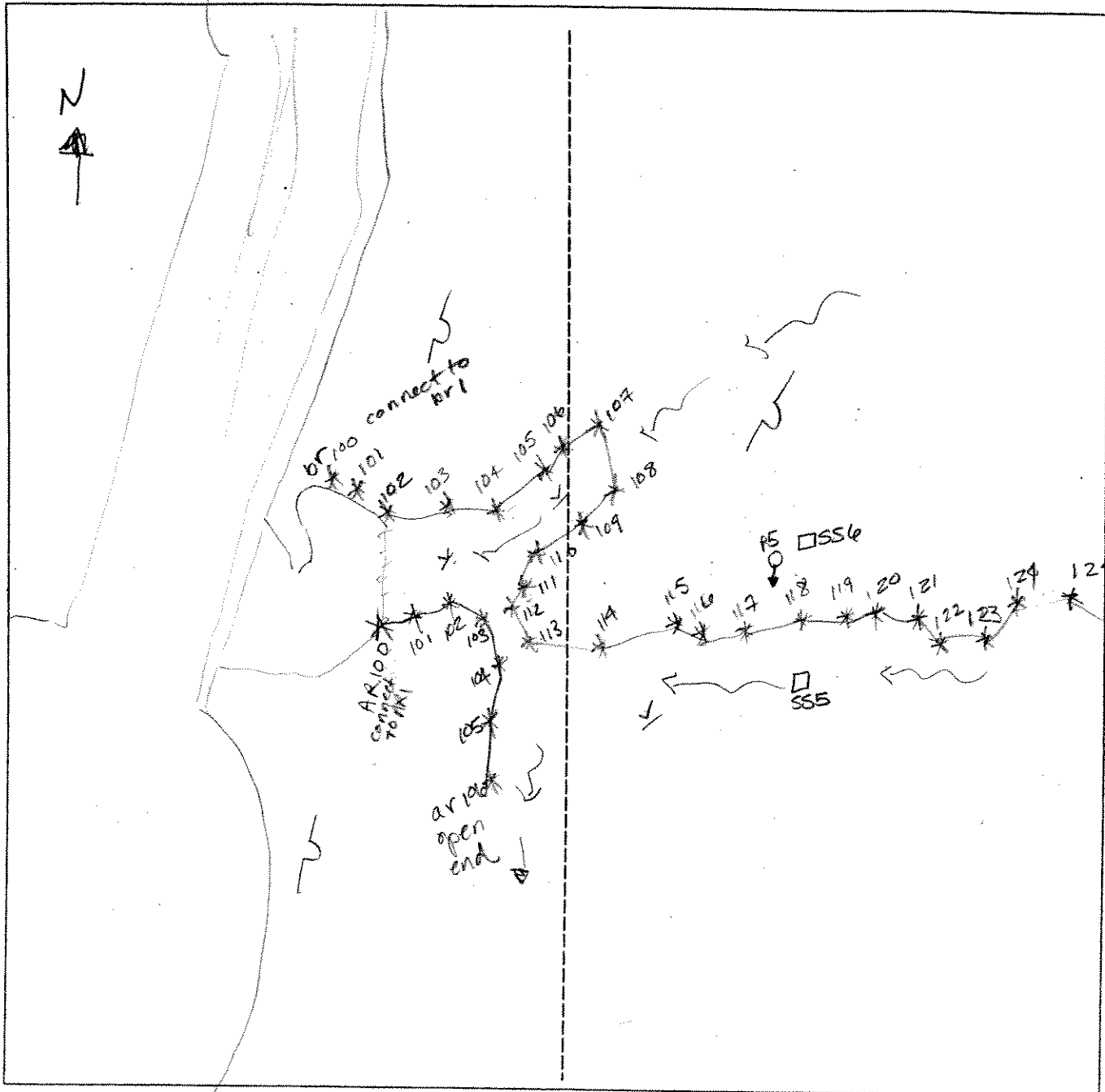
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Isolated? Yes No	N/A
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		

Remarks  
worms; Buhlink; Gopher Snake

### SKETCH FORM

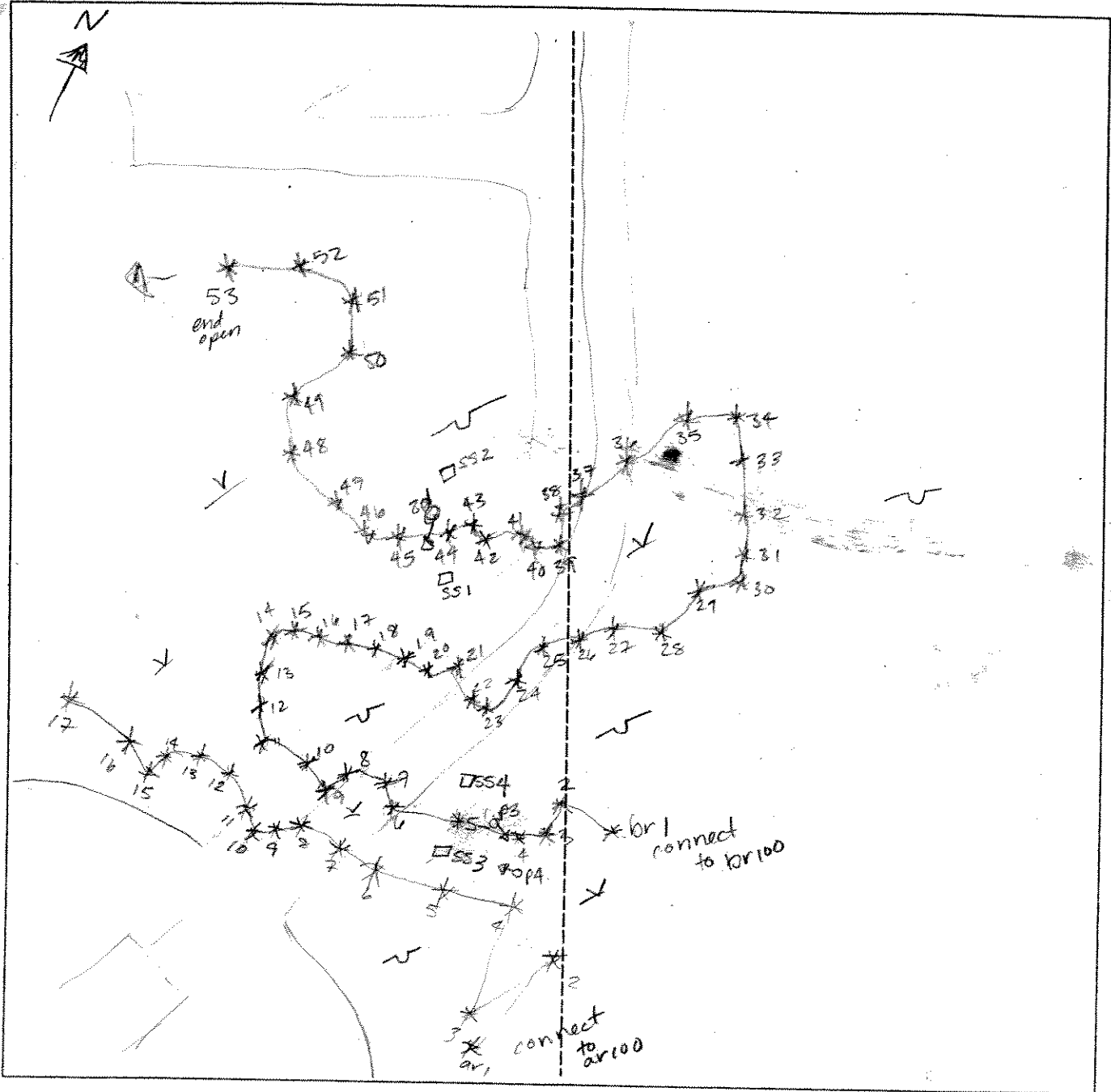
<b>Wetland ID/Route #:</b> AR41	<b>Date:</b> 5/22/07	<b>Time:</b>
<b>Initials of Delineators:</b> RD : AP	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
PS ○▼ Photo Location/Direction □ Sample Station - - - Centerline ▷ Flag	X Wetland U Upland — Stream - . . Intermittent Stream

### SKETCH FORM

<b>Wetland ID/Route #:</b> ARA1	<b>Date:</b> 0/22/07	<b>Time:</b>
<b>Initials of Delineators:</b> RD      AP	<b>Location:</b>	
<b>Roll #:</b>	<b>Frames:</b>	



Legend	
<p>P2, P3, PE ○▼ Photo Location/Direction</p> <p>□ Sample Station</p> <p>--- Centerline</p> <p>▷ Flag</p>	<p>∨ Wetland</p> <p>u Upland</p> <p>— Stream</p> <p>- - - Intermittent Stream</p>

Access road to  
WGT-11

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Climken County wetland</i>	Date: <i>10/2/05</i>
Applicant/Owner: <i>HORIZON</i>	County: <i>Climken</i>
Investigator: <i>GED/JG</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 45 / B-551</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*PCW*

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree:  Shrub:  Herb: *100%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del><i>Polygonum pennsylvanicum</i></del>	H	OBL	9.		
2. <del><i>Scirpus atrovirens</i></del>	H	OBL	10.		
3. <del><i>Onoclea sensibilis</i></del>	H	FACW	11.		
4. <del><i>Carex scoparia</i></del>	H	FACW	12.		
5. <del><i>Ranunculus repens</i></del>	H	FAC	13.		
6. <del><i>Poa</i> spp</del>	H	—	14.		
7. <del><i>Hieracium aurantiacum</i></del>	H	NL	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks:  
*Photo # 32  
Hay ground.*

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated in upper 12 inches</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil Survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>0</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>2"</i></p> <p>Depth to Saturated Soil (in.): <i>1"</i></p>	
<p>Remarks:</p>	

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A <sup>p</sup>	10Y-3/1	—	—	Silty loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
sulfur odor

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Is this Sample Station Point Within a Wetland?				<input checked="" type="radio"/> Yes <input type="radio"/> No
Is this an Isolated Wetland?				<input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Milton Co. Wind Farm</i> Applicant/Owner: <i>HARPER</i> Investigator: <i>JG, BD</i>	Date: <i>10/12/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 45/B SS-2</i>

**VEGETATION**

*OPEN UPLAND*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input type="checkbox"/>	Shrub: <input type="checkbox"/>	Herb: <i>100%</i>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ranunculus repens</i>	H	FAC	9.		
2. <i>Hieracium aurantiacum</i>	H	NL	10.		
3. <i>Poa sp</i>	H	-	11.		
4. <i>Phleum pratense</i>	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25%</i>					
Remarks: <div style="font-size: 1.5em; font-family: cursive;">                     Farmed hayground                 </div>					

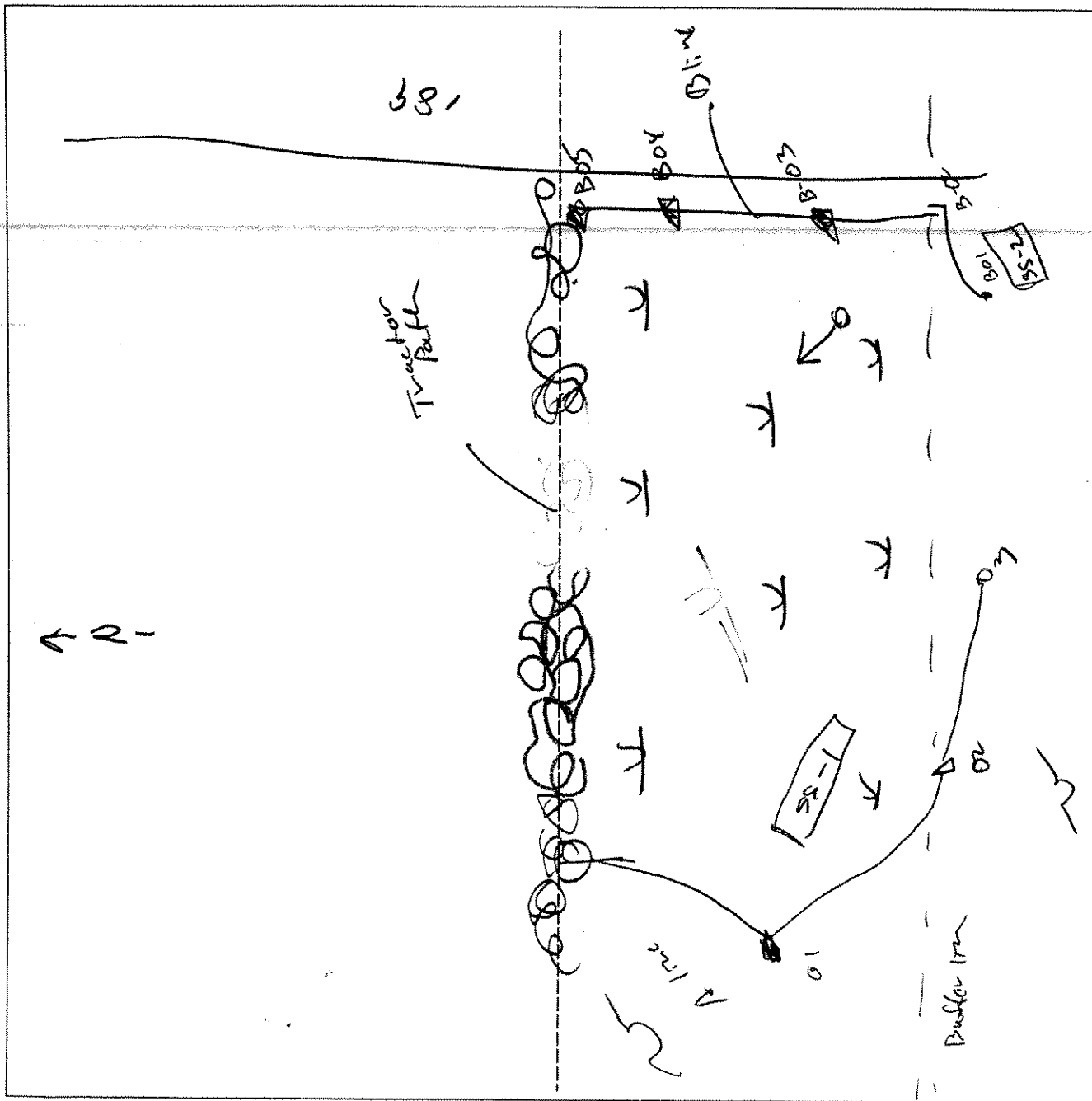
**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt;12</i> Depth to Saturated Soil (in.): <i>&gt;12</i>	
Remarks:	



SKETCH FORM

Wetland ID/Route #: AR45 A/B	Date: 10/12/05	Time:
Initials of Delineators: GCD/JG	Location: Access Road to WGT-11	
Roll #: GCD digital	Frames: Photo # 32	



Legend	
○▼	Photo Location/Direction
▭	Sample Station
- - -	Centerline
▷	Flag
∟	Wetland
—	Upland
—	Stream
- . -	Intermittent Stream

North east  
property

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co WinisFarm</u>	Date: <u>10/13</u>
Applicant/Owner: <u>Hurston</u>	County: <u>Clinton</u>
Investigator: <u>JG, GD</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: Transect ID: Plot ID: <u>AR 46A-SS1</u>

**VEGETATION**

PSS.

Plant Community Classification:					
Percent Canopy Cover: Tree: _____ Shrub: _____ Herb: _____ Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Achillea millefolium</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Achillea sensibilia</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Aster spp</u>	<u>H</u>	<u>uncommon</u>	12.		
5. <u>Solidago canadensis</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	14.		
7. <u>" " "</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>Sphagnum sp</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>6"</u> Depth to Saturated Soil (in.): <u>4"</u>	
Remarks:	



Northcast

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clontar</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>CGD/JG</u>	Date: <u>10/13/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR46A-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Upland</u>					
Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>50</u> Herb: _____ Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	9.		
2. " "	<u>S</u>	<u>FACU</u>	10.		
3. <u>Acer saccharum</u>	<u>T</u>	<u>FACU</u>	11.		
4. " "	<u>S</u>	<u>FACU</u>	12.		
5. <u>Carex spp</u>	<u>H</u>	<u>unknown</u>	13.		
6. <u>Athyrium filix-femina</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>striped maple</u>	<u>S</u>	<u>FACU</u>	15.		
8. <u>Acer pennsylvanicum</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>12.5%</u>					
Remarks:					

**HYDROLOGY**

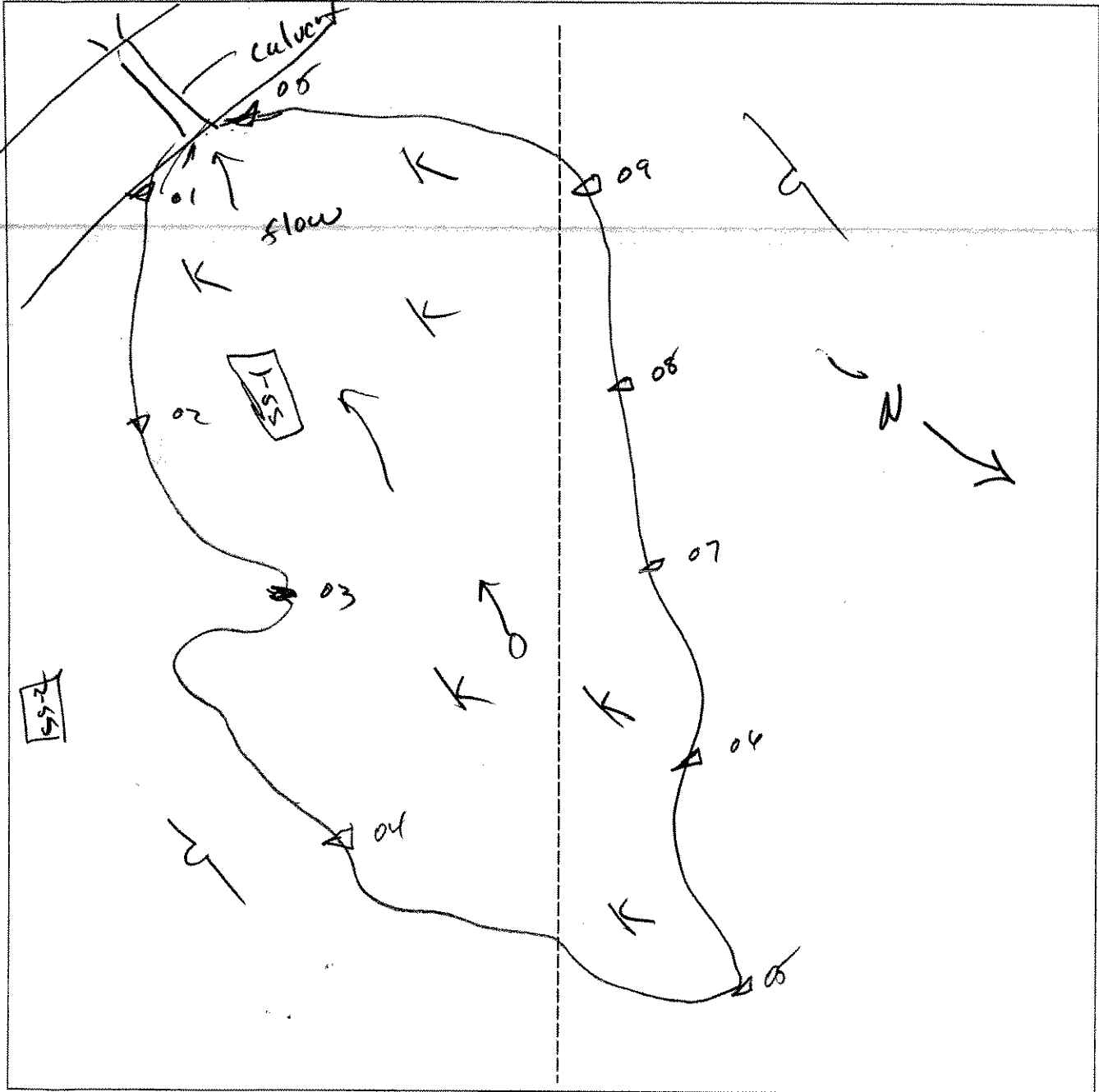
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 8"</u> Depth to Saturated Soil (in.): <u>&gt; 8"</u>	
Remarks:	



North east

### SKETCH FORM

Wetland ID/Route #: <b>AR 46A</b>	Date: <b>10/13/05</b>	Time: .
Initials of Delineators: <b>GCD</b>	Location: <b>AR 46A</b>	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR-3A  
WL

Project Site: <u>CLINTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KH, BD</u>	Date: <u>10/17/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR-3A-551</u>

**VEGETATION**

Plant Community Classification: <u>PEM</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus Effusus</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Carex Sp</u>		<u>FACW</u>	10.		
3. <u>Shallow sedge</u>		<u>FACW</u>	11.		
4. <u>Green Butch</u>		<u>FACW</u>	12.		
5. <u>Polypodium Hydropter</u>		<u>FACW</u>	13.		
6. <u>Biddens Sp.</u>		<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>photo #35 on BD's camera looks South</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>1 in in places</u> Depth to Free Standing Water in Pit (in.): <u>0 in</u> Depth to Saturated Soil (in.): <u>&gt; 6 in</u>	
Remarks: <u>Has rained this morning. lots of runoff</u> <u>-false hydro-positives in places possible.</u>	

ID: AR53A

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR-4/2	10YR-5/6	Many-large-distinct	clay loam

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Many mottles 10YR-2/1 color  
refusal of auger at 6 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes No
Wetlands Hydrology Present?	Yes No		Is this an Isolated Wetland?	Yes No
Hydric Soils Present?	Yes No			

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR53A  
Upland

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>ISH, ED</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR53A-552</i>

**VEGETATION**

Plant Community Classification: <i>P1 Farm/Grass Field</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Common Plantain</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>Bull Thistle</i>		<i>FACU-</i>	10.		
3. <i>Creeping Buttercups</i>		<i>FAC</i>	11.		
4. <i>perennial Ryegrass</i>		<i>FACU-</i>	12.		
5. <i>Red clover</i>		<i>FACU-</i>	13.		
6. <i>Common dandelion</i>		<i>FACU-</i>	14.		
7. <i>White clover</i>		<i>FACU-</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>14%</i>					
Remarks: <i>photo # 35 from northern end looks south</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>-</i>  Depth to Free Standing Water in Pit (in.): <i>~ 1/2 inches</i>  Depth to Saturated Soil (in.): <i>-</i>	
Remarks:	

ID: AR53A  
SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR-3/2	10YR-5/8	Many - small distinct	clay loam
6-12	Ap2	10YR-4/3	10YR-5/8	Few / small distinct	clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - refusal at 12 inches  
- disturbed soil

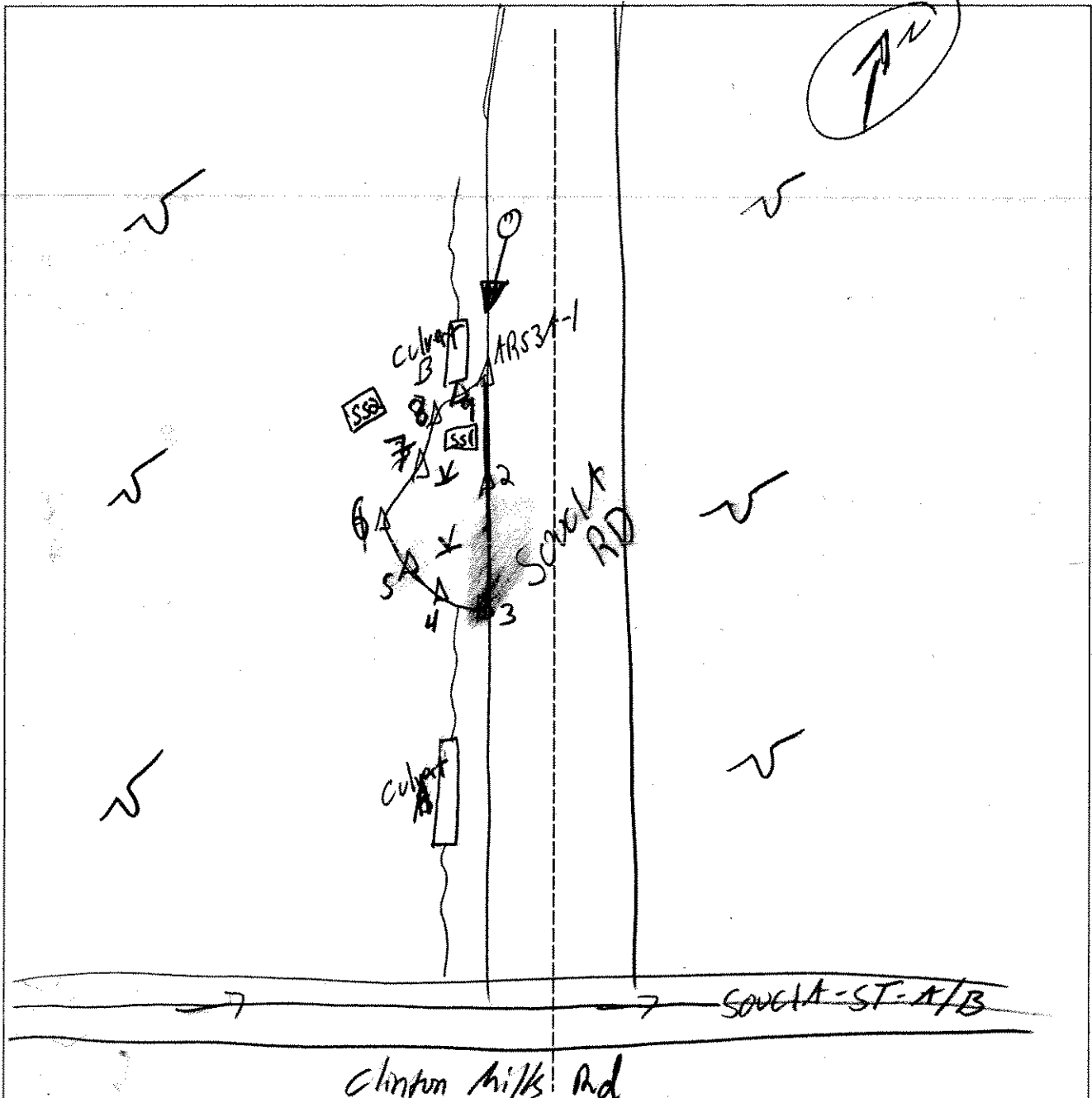
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR53A</b>	Date: <b>10/19/05</b>	Time:
Initials of Delineators: <b>KH, GD</b>	Location: <b>Clinton Co.</b>	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

AR 54A/B-wetland  
551

Project Site: <u>CLINTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KH ED</u>	Date: <u>10/17/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 54A-551</u>

**VEGETATION**

Plant Community Classification: PEM  
 Percent Canopy Cover: Tree: 10 Shrub: 85 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del>American Beach</del>	<del>H</del>		9. <del>...</del>	<del>H</del>	
2. <u>Juncus E. flexus</u>	<u>H</u>	<u>FACW</u>	10. <u>Creeping buttercup</u>	<u>H</u>	<u>FAC</u>
3. <u>Green Bullrush</u>		<u>OBL</u>	11. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>
4. <u>Solidago Grandifolia</u>		<u>OBL</u>	12.		
5. <u>Beard Canary Grass</u>		<u>FACW</u>	13.		
6. <u>Sedge Sp.</u>		<u>unknown</u>	14.		
7. <u>Carex lurida</u>		<u>OBL</u>	15.		
8. <u>pennsylvania Smartweed</u>	<u>↓</u>	<u>FACW</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 78%

Remarks: \* not tested  
photo # 36 looks North

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>1 in in places</u>  Depth to Free Standing Water in Pit (in.): <u>0 in</u>  Depth to Saturated Soil (in.): <u>0 in</u>	Remarks: <u>recent heavy rainfall</u>

ID: AR 54A/B

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	2.5YR-4/1	7.5YR-4/4	Many - medium - distinct	clay
6-10	A <sub>1</sub>	7.5YR-5/1	7.5YR-3/4	Many - medium - distinct	clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input checked="" type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Active grazing field  
 - refusal of auger at 10 inches  
 - Mn concretions

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)	(Circle)
Wetlands Hydrology Present?	(Yes) No	Is this Sample Station Point Within a Wetland?	(Yes) No
Hydric Soils Present?	(Yes) No		Is this an Isolated Wetland?
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR 54 A/B  
upl

Project Site: <u>CLINTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>GD, KH</u>	Date: <u>10/17/05</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: Transect ID: Plot ID: <u>AR 54 A/B-552</u>							

**VEGETATION**

Plant Community Classification: <u>Open grass field</u>					
Percent Canopy Cover: Tree: <u>5%</u> Shrub: <u>5%</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Apple Tree</u>	<u>T</u>	<u>UPL*</u>			
2. <u>Beech (American)</u>	<u>T</u>	<u>FACU</u>			
3. <u>Red clover</u>	<u>H</u>	<u>FACU-</u>			
4. <u>White clover</u>		<u>FACU-</u>			
5. <u>Common dandelion</u>		<u>FACU-</u>			
6. <u>Burdock</u>		<u>UPL*</u>			
7. <u>Poa sp</u>		<u>unknown</u>			
8. <u>Creeping Buttercup</u>		<u>FAC</u>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5%</u>					
Remarks: <u>* Not tested</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>-</u>  Depth to Free Standing Water in Pit (in.): <u>-</u>  Depth to Saturated Soil (in.): <u>&gt; 6in</u>	
Remarks: <u>Recent Heavy Rain Fall</u>	



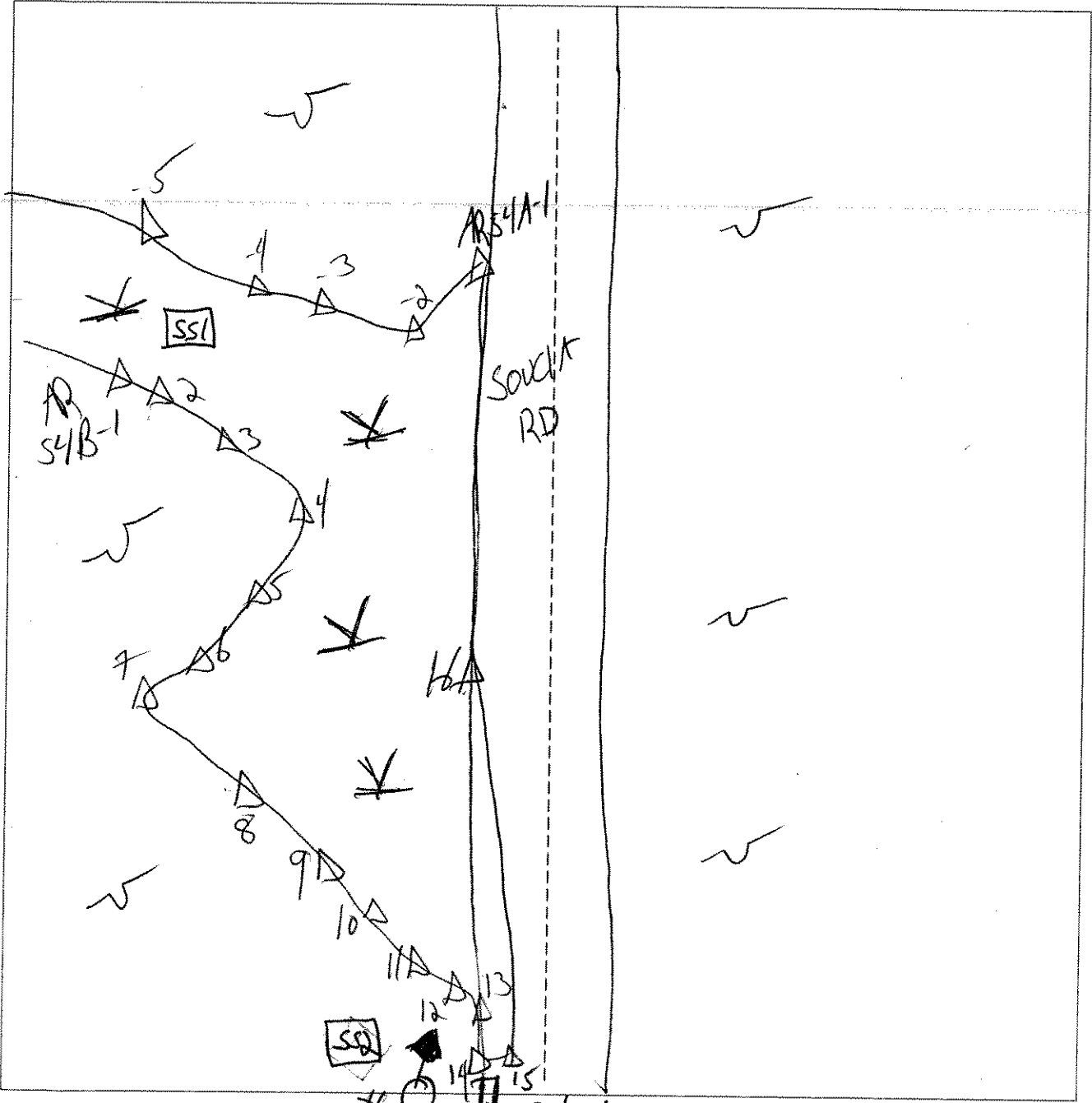
**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR-4/3			Clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: refusal at 6 inches					

<b>WETLAND DETERMINATION</b>					
Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes No
Remarks					

SKETCH FORM

Wetland ID/Route #: <i>AR 541AB</i>	Date: <i>10/17/05</i>	Time:
Initials of Delineators: <i>KH, GD</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>Gregg's Camera photo # 36</i>	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: AR54, AR55 Plot ID: 553

**VEGETATION**

Plant Community Classification: PFM - PASTURE					
Percent Canopy Cover: Tree: $\phi$ Shrub: 25 20 Herb: 100 Vine: $\phi$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. JUNCUS EFFLUSUS	H	FACW+	9.		
2. DARK GRN BULRUSH	H	OBL	10.		
3. CAREX SP (1)	H		11.		
4. CAREX SP (2)	H		12.		
5. GRAY BIRCH	S	FAC	13.		
6. SILKY WILLOW	S	OBL	14.		
7. RANUNCULUS ACROS	H	FAC+	15.		
8. TARAXACUM OFFICINALE	H	FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/8 = 63%					
Remarks: DISTURBED SCHEUCHZERIA W/ HOOFPRINTS (COU)					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 5" IN PLACES (HOOFPRINTS) Depth to Free Standing Water in Pit (in.): SURFACE Depth to Saturated Soil (in.): SURFACE	
Remarks:	

Date: 6/11/2007  
 Community ID: WETLAND  
 Plot ID: AR54, AR55-3553

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/1			CLAY
12-18	B	2.5Y 5/1	5Y 4/6	MANU/MED/PROMINENT	CLAY

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input checked="" type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RTD EC LP	Date: 6/1/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AR54, AR55 Plot ID: SS4

**VEGETATION**

Plant Community Classification: PASTURE					
Percent Canopy Cover: Tree: Shrub: 25 Herb: 100 Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. TARAXACUM OFFICINALE	H	FACU-	9.		
2. RANUNCULUS ACRIS	H	FAC+	10.		
3. FELDNIUSIAD	H	UPL	11.		
4. TRIFOLIUM PRATENSE	H	FACU-	12.		
5. GRASS SP	H		13.		
6. AFAL	T		14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/6 = 17%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): N/A  Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 6/11/2007  
 Community ID: UPLAND  
 Plot ID: AR54, AR55 - 554

**SOILS**

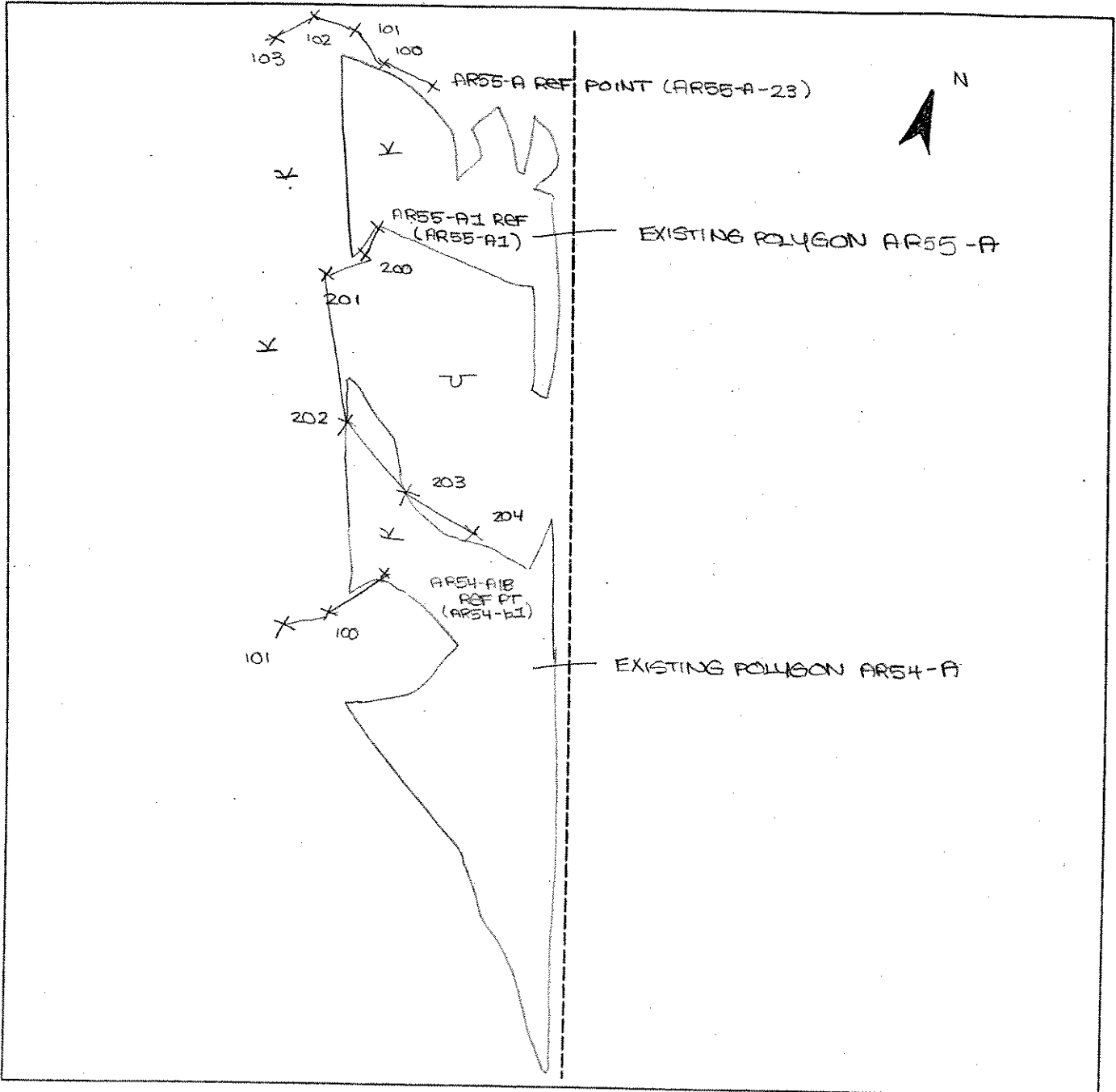
Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10UR4/1			SILTY CLAY
12-18	B	10UR5/2	10UR 4/4	COMMON/MED/FAINT	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetlands Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks	

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR54-A ; AR55-A	<b>Date:</b> 5/25/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR 55A-2L

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>BH, GD</i>	Date: <i>10/17/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 55A-551</i>

**VEGETATION**

Plant Community Classification: *PEM*  
 Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *—*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus Effusus</i>	H	FACWT	9.		
2. <i>Green Bullrush</i>	↓	OBL	10.		
3. <i>Creeping Buttercup</i>	↓	FAC	11.		
4. <i>Flat-top Aster</i>	↓	FACW	12.		
5. <i>Sediment-Burn Fox</i>	↓	OBL	13.		
6. <i>NY Aster</i>	↓	FACWT	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *- grazed farm land* | *pix # 37 GD's camera looks west*  
*- cattle tread through field*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2 in. in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0 (saturated at surface)</i>	
Remarks: <i>- recent heavy rains</i> <i>- Inundated at surface due to clay soils</i>	



AR 55A-WL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR-4/2	7.5YR-5/6	Many - Med. dist.	clay loam
3-12	E	2.5Y-5/3	7.5YR-5/6	" " "	clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

- refusal at 12 inches.

- Iron concretions

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No

Remarks

AR55A-ep1  
552

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CANTON CANYON</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>JA, BD</u>	Date: <u>10/17/05</u> County: <u>CLINTON</u> State: <u>CO</u>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? (If needed, explain on reverse.) Yes <input type="radio"/> No <input checked="" type="radio"/>	Community ID: Transect ID: Plot ID: <u>AR55A-552</u>

VEGETATION

Plant Community Classification:  
Percent Canopy Cover: 0% Tree: 10% Shrub: \_\_\_\_\_ Herb: 100 Vine: \_\_\_\_\_

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red chsr</u>	↓ H	<u>FACU-</u>	9. <u>Black cherry</u>	<u>S</u>	<u>FACU</u>
2. <u>white chsr</u>		<u>FACU-</u>	10. <u>River maple</u>	<u>S</u>	<u>FAC</u>
3. <u>Burdock</u>		<u>UPL*</u>	11.		
4. <u>Cow vetch</u>		<u>UPL*</u>	12.		
5. <u>Common plantain</u>		<u>FACU</u>	13.		
6. <u>Common Lardition</u>		<u>FACU-</u>	14.		
7. <u>Timothy</u>		<u>FACU</u>	15.		
8. <u>Poa sp</u>			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 10%

Remarks: \* NOT listed

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>-</u> Depth to Free Standing Water in Pit (in.): <u>12 in</u> Depth to Saturated Soil (in.): <u>-</u>	
Remarks: <u>water at botom of pit</u>	

AR 55A-552

**SOILS**

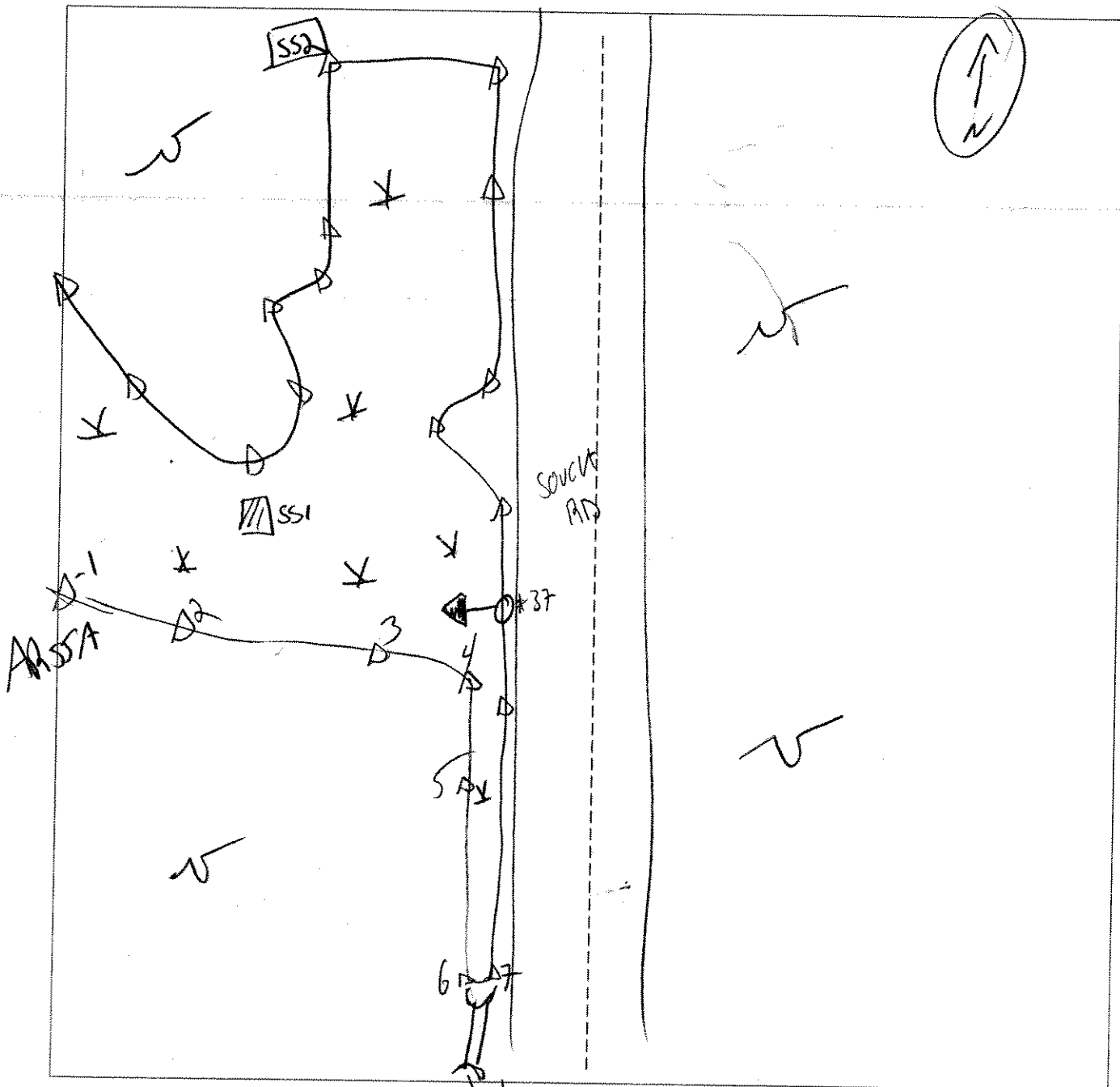
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>1</sub>	10YR-3/2			Silty loam
2-9	A <sub>2</sub>	10YR-3/3			Silty loam
9-12	B	10YR-4/4			Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - Earthworms present - Refusal at 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	(Circle)
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	(Circle)
Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Remarks			

SKETCH FORM

Wetland ID/Route #: <i>AR55A</i>	Date: <i>10/17/05</i>	Time:
Initials of Delineators: <i>KH GD</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>PK#37</i>	Frames: <i>Gregg's Camera</i>	



Legend	
.Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR 56A-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLINTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>GD</u>	Date: <u>10/17/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 56A-551</u>

**VEGETATION**

Plant Community Classification: <u>PEM</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Green Bell</u>	<u>H</u>	<u>OBL</u>	9.		
2. <u>Fri's Versicolor</u>		<u>OBL</u>	10.		
3. <u>woolgrass</u>		<u>FACwt</u>	11.		
4. <u>Juncus Effusus</u>		<u>FACwt</u>	12.		
5. <u>N. Bogle weed</u>		<u>OBL</u>	13.		
6. <u>White Grass</u>	<u>✓</u>	<u>-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>- next to low pasture</u> <u>- disturbed by farming</u>   <u>pit # 38 GD's camera</u> <u>looks N, NW</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>2-3 in.</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0 at surface</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>1</sub>	2.5Y-4/2	7.5YR-5/8	Few-med. faint	loamy clay
6-18	A <sub>2</sub>	2.5Y-5/3	7.5YR-5/8	Many med. distinct	loamy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Mn - concretions					

WETLAND DETERMINATION		
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR56A-552  
vpl

Project Site: <u>CLAYTON COUNTY</u> Applicant/Owner: <u>HORSE CDD</u> Investigator: <u>ISH, GD</u>	Date: <u>10/17/05</u> County: <u>CLAYTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR56A-552</u>

**VEGETATION**

Plant Community Classification: <u>low pasture</u>					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>0</u>	Herb: <u>100</u>	Vine: <u>—</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>white clover</u>	<u>H</u>	<u>FACV-</u>	9.		
2. <u>common dandelion</u>		<u>FACV-</u>	10.		
3. <u>poa sp</u>		<u>unknown</u>	11.		
4. <u>common plantain</u>		<u>FACV</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>—</u> Depth to Free Standing Water in Pit (in.): <u>16</u> Depth to Saturated Soil (in.): <u>14"</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A <sub>1</sub>	10YR-4/4	7.5YR-5/6	Few/Med/distinct	loamy clay
8-15	A <sub>2</sub>	10YR-4/3	7.5YR-5/6	Many/med/distinct	loamy clay
15-18	A <sub>3</sub>	7.5YR-5/1	7.5YR-5/8	Many/large/distinct	loamy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Mn + Fe concretions					

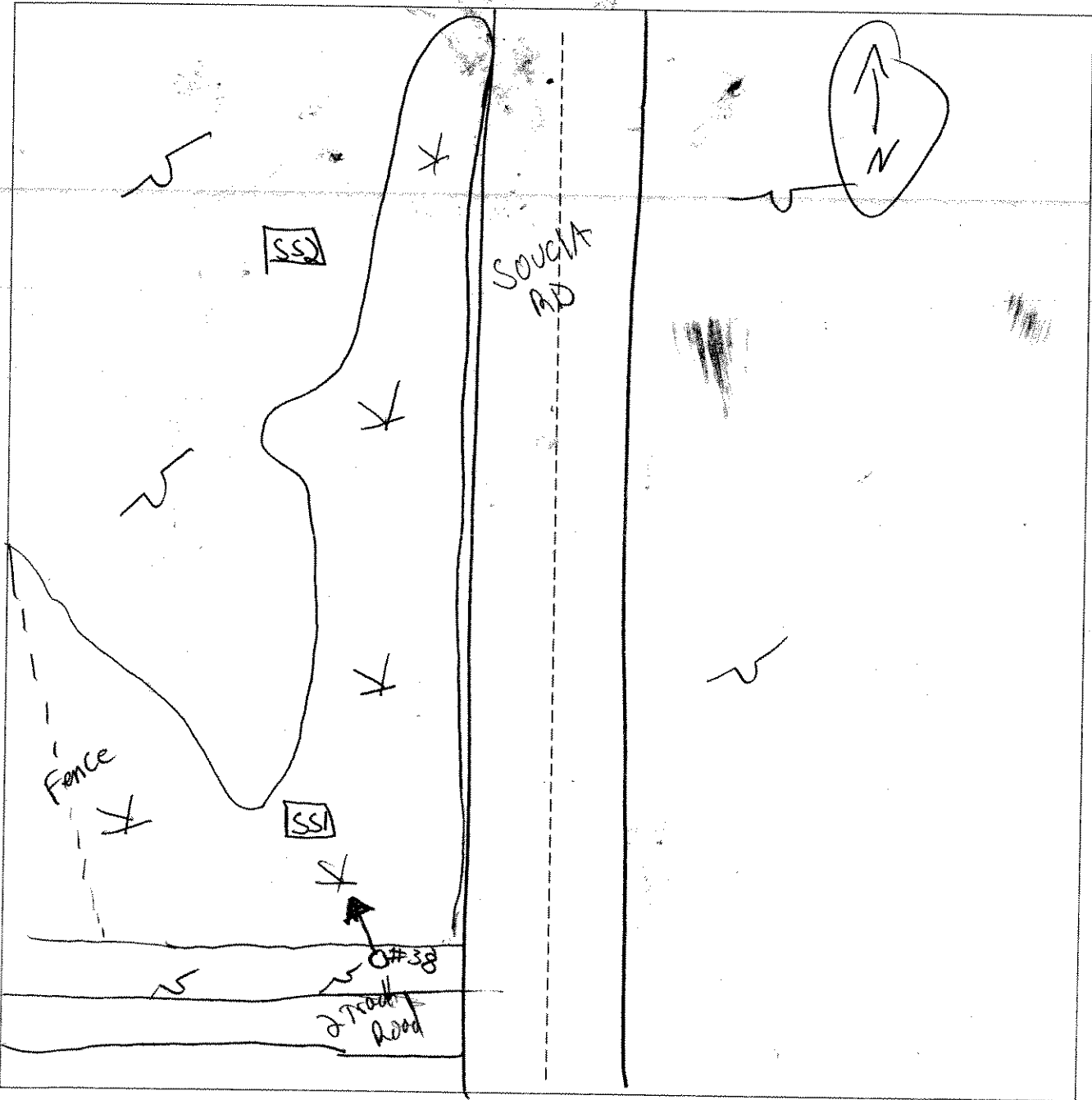
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
				(Circle)
				Yes No
Is this Sample Station Point Within a Wetland? Yes No				
Is this an Isolated Wetland? Yes No				
Remarks				



SKETCH FORM

Wetland ID/Route #: AA 56A	Date: 10/17/05	Time:
Initials of Delineators: HLT, GD	Location: Clinton Co.	
Roll #: #38	Frames: Geyer's Camera	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

Revised & extended

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: <i>5/25/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>AR 56A</i> Plot ID: <i>SS3</i>

**VEGETATION** *WET COW PASTURE/HAY FIELD - PENNY*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *95%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>J. FLAVUS</i>	H	FACW+	9.		
2. <i>C. SP.</i>	H	FACW	10.		
3. <i>D.K. GR. BUSH</i>	H	OBL	11.		
4. <i>GRASS</i>	H		12.		
5. <i>ASTR. SP.</i>	H		13.		
6. <i>REED CANAL GRM</i>	H	FACW+	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $4/6 = 66\%$

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 15"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Top soil wetter than sub soil</i>	

Date: 5/25/07  
 Community ID: WETPMD  
 Plot ID: AR56A-SS3

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-9	A	2.5Y4/1	2.5Y4.3/3	many med / dk	CLAY
9-15	B	2.5Y6/2	10YR 5/6	com / coarse / dk	Silty clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Reason of Age as 15"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

Rec. Delin & updated

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 5/25/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: UPLAND Transect ID: ARS6A Plot ID: 554							

**VEGETATION** *Upland cow pasture/Hay field*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: \_\_\_\_\_ Tree:  Shrub:  Herb:  Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Grasses	H	#	9.		
2. Dandelion	H	FACU-	10.		
3. Common Nuts	H	FACU	11.		
4. Red Clover	H	FACU-	12.		
5. Ditch Cup	H	FAC+	13.		
6. Fall Dandelion	H	NO	14.		
7. Hawk Weed	H	UPL	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $1/7 = 14\%$

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p><b>Wetland Hydrology Indicators:</b>  <b>Primary Indicators:</b>          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands  <b>Secondary Indicators (2 or more required):</b>  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p><b>Field Observations:</b></p> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	<p>Remarks:</p>

Date: 5/25/07  
 Community ID: CPLAND  
 Plot ID: ALS6A-SS4

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-15	A	10YR 4/2			Silty clay
15-18	B	2.5Y 5/4	2.5Y 4/3	very coarse/faint	clay

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

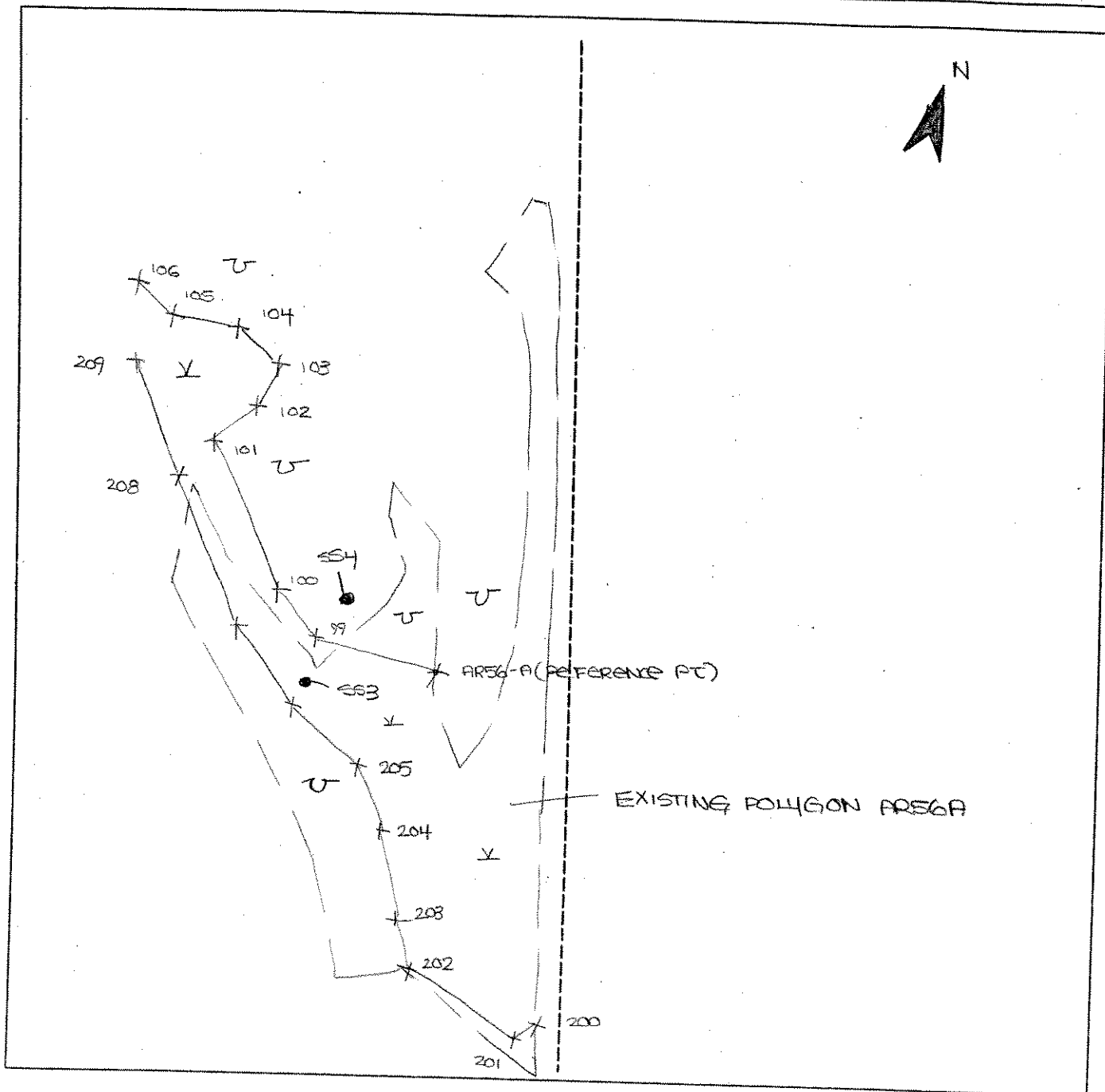
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes No  
 Wetlands Hydrology Present? Yes No  
 Hydric Soils Present? Yes No  
 Is this Sample Station Point Within a Wetland? Yes No

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR56A EXTENSION	<b>Date:</b> 5/25/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR 57A/B  
 WL  
 SSI

Project Site: <u>CANTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KH, GD, JG</u>	Date: <u>10/17/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 57A/B - SSI</u>

**VEGETATION**

Plant Community Classification: <u>PEM/PS3</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>30</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Carex lurida</u>	<u>H</u>	<u>OBLW</u>	9. <u>Arrowleaf Pear Throat</u>	<u>H</u>	<u>OBL</u>
2. <u>wool grass</u>		<u>FACW+</u>	10. <u>Jewel weed</u>	<u>H</u>	<u>FACW</u>
3. <u>Fowl Manna Grass</u>		<u>OBL</u>	11. <u>Soft Rush</u>	<u>H</u>	<u>FACW+</u>
4. <u>Duckweed</u>		<u>OBL</u>	12. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>
5. <u>NY Aster</u>		<u>FACW+</u>	13. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>
6. <u>Sensitive Fern</u>		<u>FACW</u>	14.		
7. <u>Spirea latifolia</u>	<u>↓</u>	<u>FAC+</u>	15.		
8. <u>Beard willow</u>	<u>S</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Part of Cow pasture - grazed land</u> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <u>GD's pit # 39 looks fast</u>  <u>Camera # 40 looks west</u> </div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6 inches</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Recent heavy rainfall (within 12 hours)</u>	

AA57A/B SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR-3/1			Sandy clay loam
5-16	A <sub>1</sub>	10YR-4/2			clay loam
16-18	E <sub>1</sub>	2.5Y-5/3	7.5YR-5/6	Few/Med/distinct	Sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Circle) Yes No
Remarks			



# 304  
# 40

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)

AR57A/B  
SS2  
vpl

Project Site: <u>CANTON COUNTY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KH, GD, JB</u>	Date: <u>10/17/05</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR57A/B</u>

VEGETATION

Plant Community Classification: Cow Grazing Pasture

Percent Canopy Cover: Tree: 0 Shrub: 10 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Poa sp</u>	<u>H</u>	<u>unknown</u>	9.		
2. <u>Fimbristylis Phlebotomus</u>	<u>J</u>	<u>FACU</u>	10.		
3. <u>Common Plantain</u>	<u>J</u>	<u>FACU</u>	11.		
4. <u>Trifolium pratense</u>	<u>J</u>	<u>FACU-</u>	12.		
5. <u>Sugar Maple</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>American Elm</u>	<u>S</u>	<u>FACW-</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 17%

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>—</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 16 in</u>  Depth to Saturated Soil (in.): <u>&gt; 16 in</u>	
Remarks: <u>Heavy recent rainfall within 12 hours</u>	

AP 57A/B  
SS2 -upL

**SOILS**

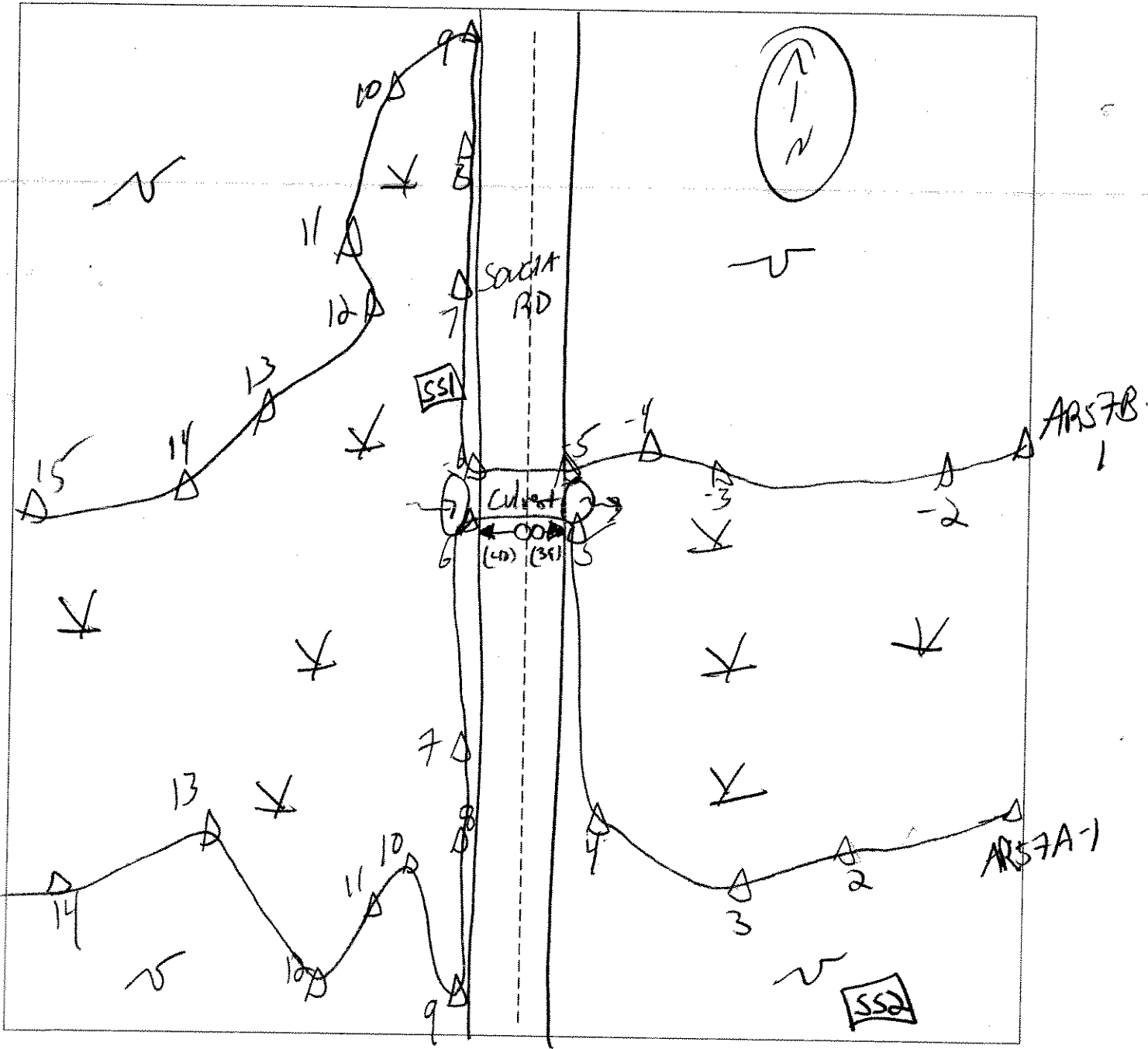
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR-4/3			Sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Acidic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal 16 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	(No)	(Circle)	
Wetlands Hydrology Present?	Yes	(No)		
Hydric Soils Present?	Yes	(No)		
			Is this Sample Station Point Within a Wetland?	Yes (No)
Remarks				

SKETCH FORM

Wetland ID/Route #: <b>AR57A/13</b>	Date: <b>10/17/05</b>	Time:
Initials of Delineators: <b>WHT, GD</b>	Location: <b>Clinton Co.</b>	
Roll #: <b>GCD Orig. Tel</b>	Frames: <b>39 (east) 40 (west)</b>	

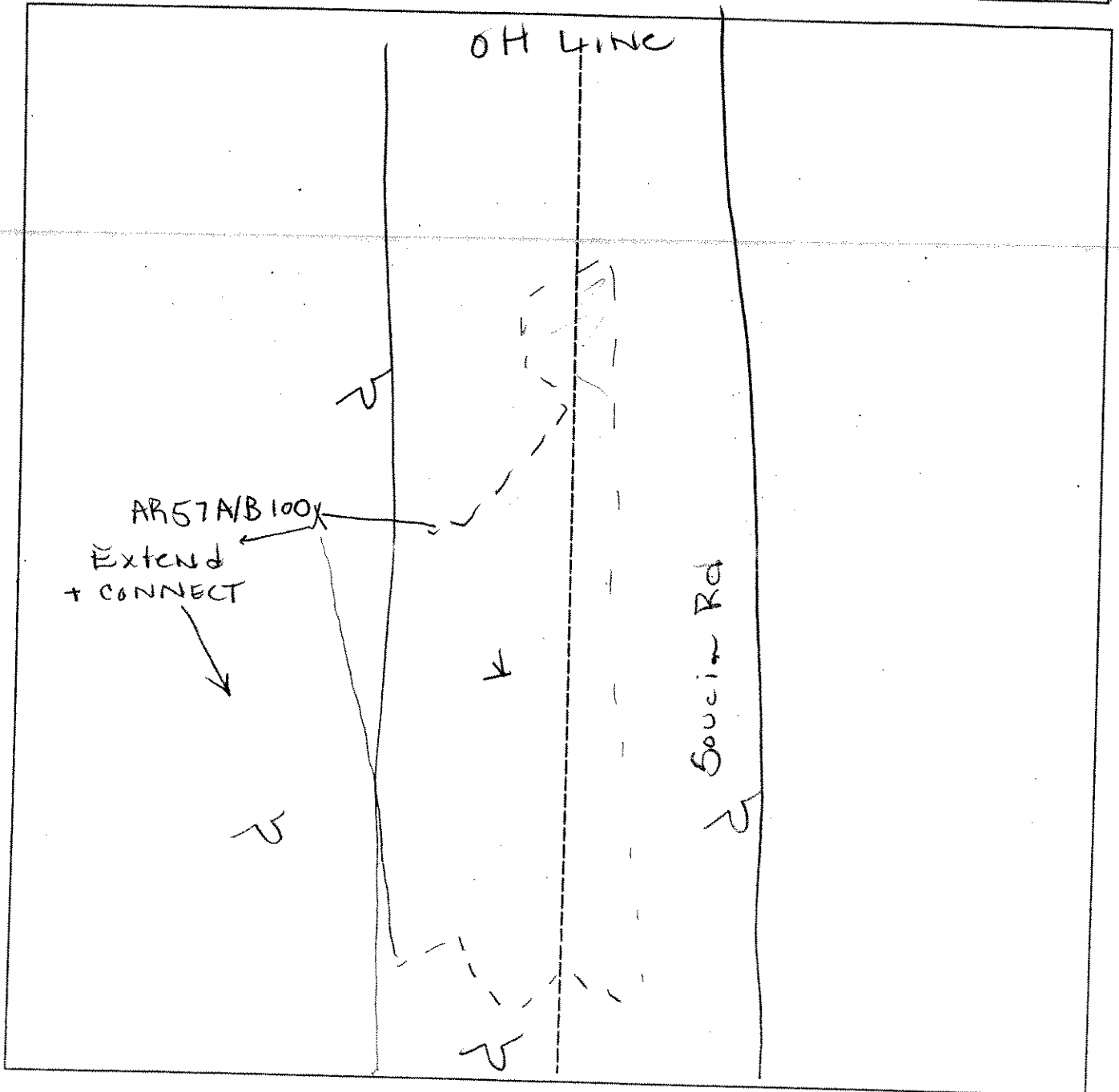


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

# Line Extension

## SKETCH FORM

Wetland ID/Route #: AR57 A/B		Date: 8/28/06	Time:
Initials of Delineators: JW JV		Location: OH from Clinton Mills to North	
Roll #:	Frames:		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RTD SC LP	Date: 6/11/2007 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: WETLAND Transect ID: AR57 Plot ID: 53							

**VEGETATION**

Plant Community Classification: PEM - PASTURE					
Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. SPARGANUM TANGUTICUM	S	FACW	9.		
2. FRAXINUS PENNSYLVANICA	S	FACW	10.		
3. WILD LETTUCE	H	FACU-	11.		
4. SOLIDAGO RUGOSA	H	FAC	12.		
5. ASTER SP	H		13.		
6. RANUNCULUS SP ACRIS	H	FAC+	14.		
7. GRASS SP	H		15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $4/7 = 57.14\%$					
Remarks: OTHER: JUNCUS EFFRUSUS TUPHA LATIFOLIA TARAXACUM OFFICINALE IMPATIENS CAPENSIS IRIS VERSICOLOR					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks: UNDULATING TOPOGRAPHY, TUSsock-ING	

Date: 6/11/2007  
 Community ID: AR07  
 Plot ID: SS3

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 3/1			SILTY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 6/1/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes      No Is the site significantly disturbed (Atypical Situation)?      Yes      No Is the area a potential Problem Area?      Yes      No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AR57 Plot ID: 554

**VEGETATION**

Plant Community Classification: EARLY / MID SUCCESSIONAL POSSIBLE COW PASTURE					
Percent Canopy Cover:      Tree: $\emptyset$ Shrub: 10      Herb: 100      Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. TARAXACUM OFFICINALE	H	FACU-	9.		
2. COW VETCH	H	UPL	10.		
3. SOLIDAGO RUSSEA	H	FAC	11.		
4. ASTER SP	H		12.		
5. GRASS SP	H		13.		
6. RANUNCULUS SP	H		14.		
7. <del>POPULUS</del> BETULA POPULIFOLIA	S	FAC	15.		
8. RUBUS ALIASHANENSIS	S	FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $2/8 = 25\%$					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 6/1/2007  
 Community ID: AR57  
 Plot ID: 254

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 3/2			SILTY CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

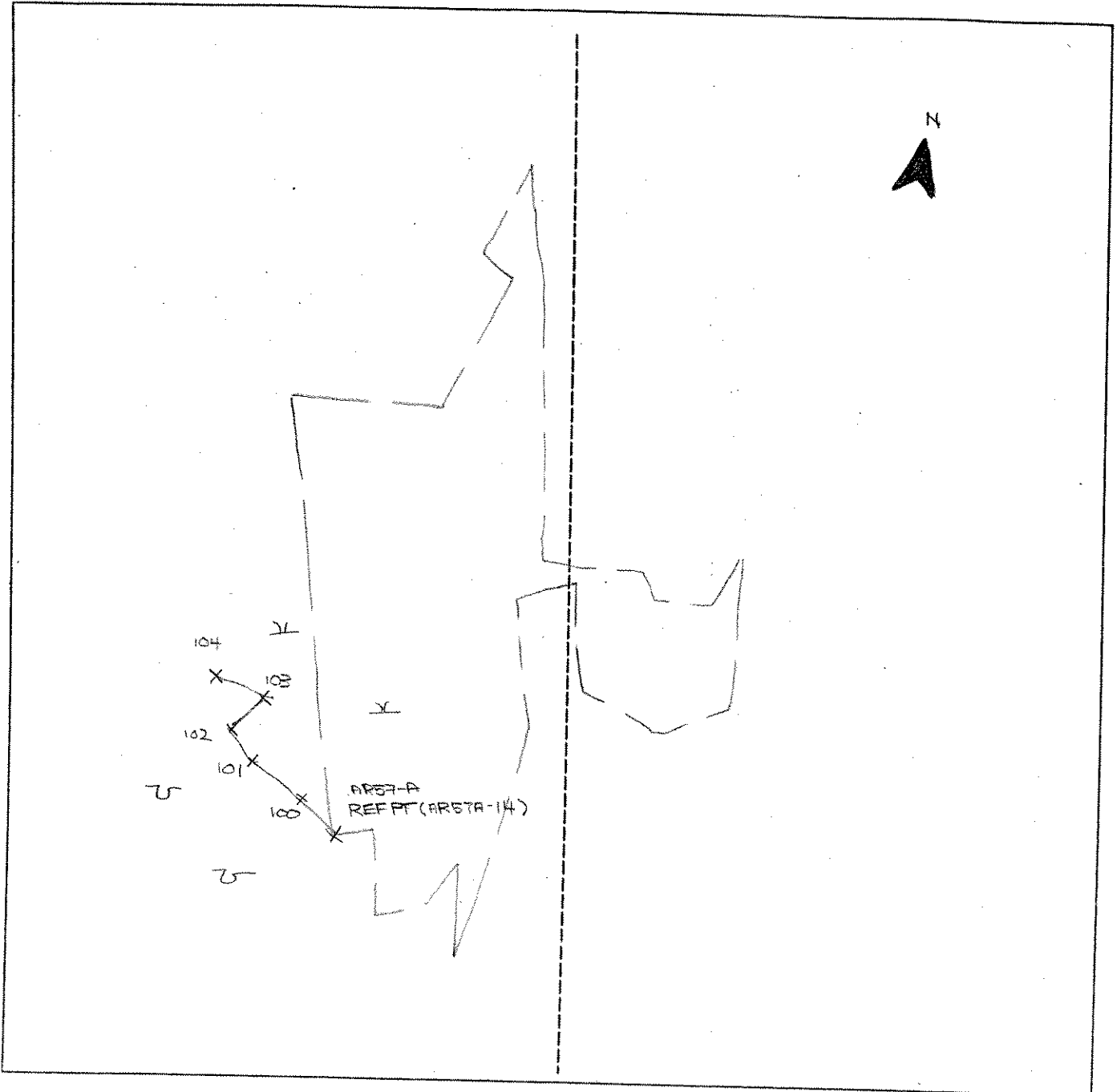
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Wetlands Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Hydric Soils Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks	



### SKETCH FORM

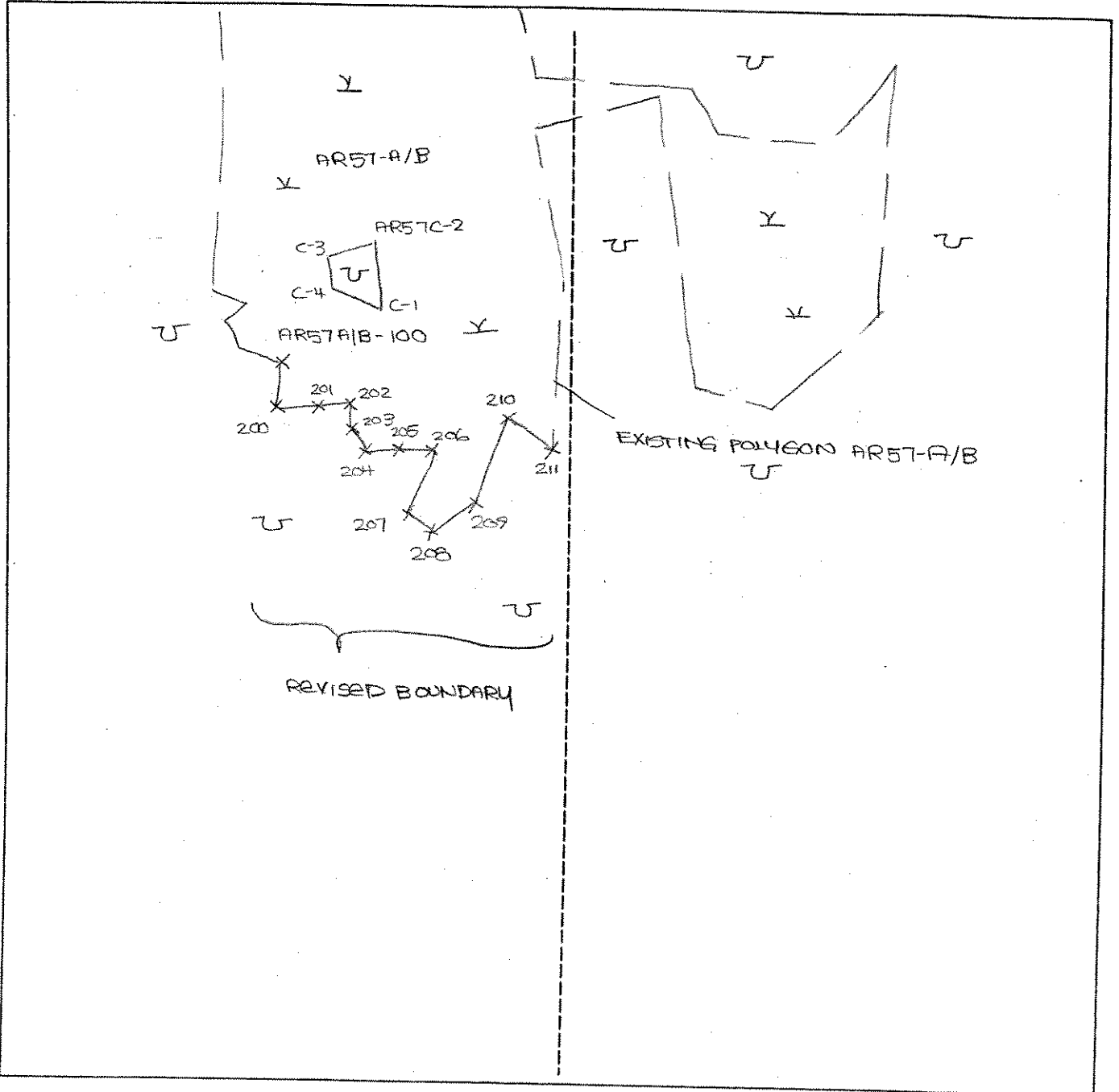
<b>Wetland ID/Route #:</b> AR57-A/B EXT	<b>Date:</b> 5/25/2007	<b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

# SKETCH FORM

<b>Wetland ID/Route #:</b> AR57A/B REVISION	<b>Date:</b> 6/11/2007	<b>Time:</b>
<b>Initials of Delineators:</b> FJD /sc /LP	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		

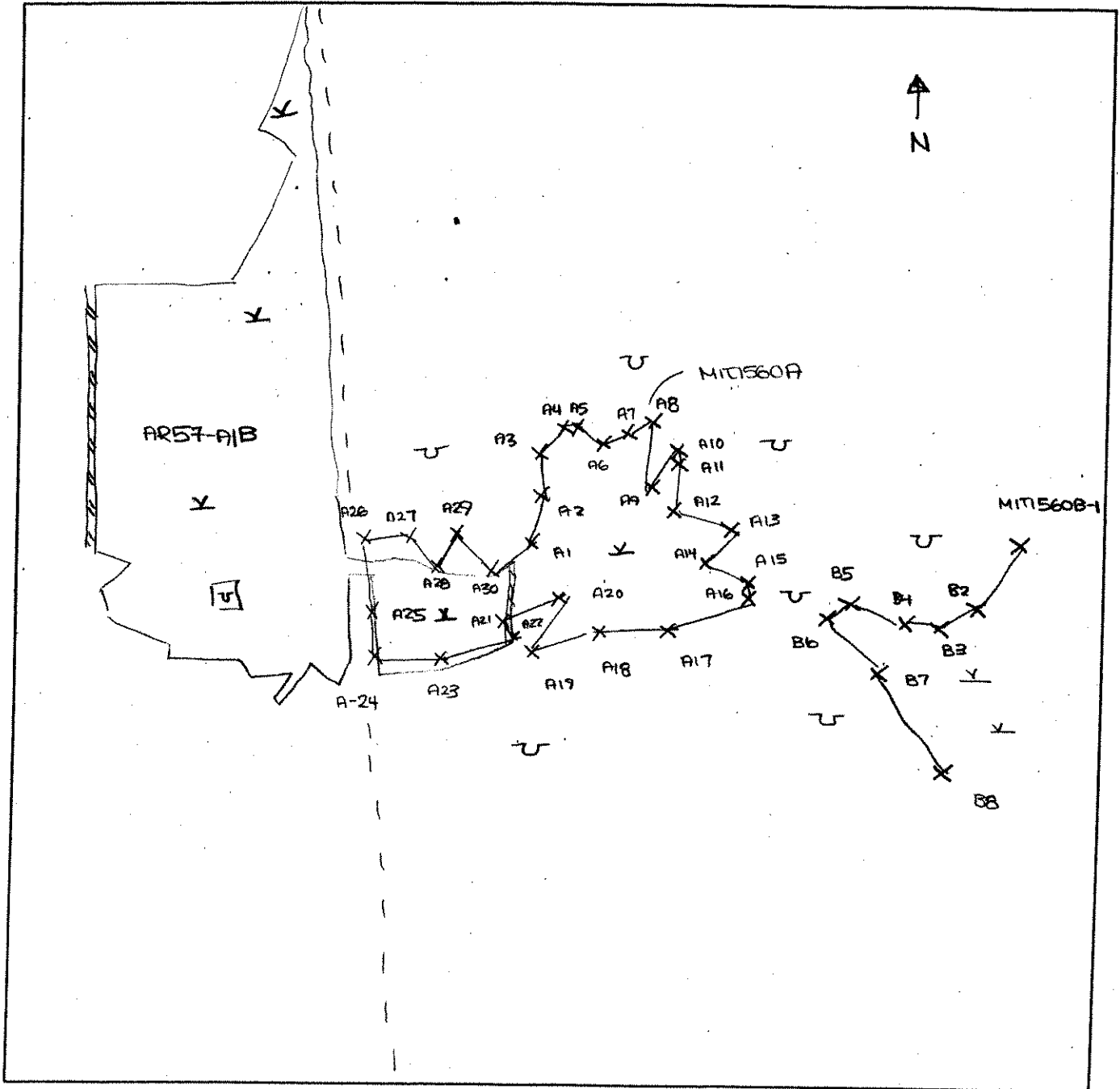


<p style="text-align: center;"><b>Legend</b></p> <p>  Photo Location/Direction   Sample Station   Centerline   Flag                 </p>	<p>  Wetland   Upland   Stream   Intermittent Stream                 </p>
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MIT1560A

SKETCH FORM

Wetland ID/Route #: MIT1560B-1 AR57-A1B EXT	Date: 8/23/2007	Time:
Initials of Delineators: RJD	Location: SOLIDA ROAD MITIGATION AREA	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR58A-WF

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Casson County</u> Applicant/Owner: <u>Harrison</u> Investigator: <u>KH GD JG</u>	Date: <u>10/19/05</u> County: <u>Casson</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR58A-551</u>

**VEGETATION**

Plant Community Classification: <u>PFO/PSS</u> Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>80</u> Herb: <u>100</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>American Elm</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Silky Willow</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Flat top Aster</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Poa sp</u>	<u>H</u>	<u>unknown</u>	14.		
7. <u>Night Shade</u>	<u>V</u>	<u>FACW</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>pix #42 looks w</u> <u>on GD's camera</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>2 in</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>recent heavy rainfall in last 12 hours</u>	

ID: AR58A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-3/1			Silt loam
8-12	A <sub>1</sub>	10YR-3/1			Clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal at 12 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes No
Wetlands Hydrology Present?	Yes No		Is this an Isolated Wetland?	Yes No
Hydric Soils Present?	Yes No			

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

AR58A/B  
upl

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Clinton</i> Investigator: <i>SH, GD, JG</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR58A/B-552</i>

**VEGETATION**

Plant Community Classification: <i>open clearing - cleared/logged forest</i>					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>50</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>T</i>	<i>FACU</i>	9. <i>Red clover</i>	<i>H</i>	<i>FACU-</i>
2. <i>Black Cherry</i>	<i>T</i>	<i>FACU</i>	10. <i>cow vetch</i>	<i>H</i>	<i>UPL</i>
3. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	11. <i>lake Goldenrod</i>	<i>H</i>	<i>FACW</i>
4. <i>Black cherry</i>	<i>S</i>	<i>FACU</i>	12. <i>Timothy</i>	<i>H</i>	<i>FACU</i>
5. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	13. <i>Bristly Nettleberry</i>	<i>H</i>	
6. <i>Gray Birch</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Solidago Grandifolia</i>	<i>H</i>	<i>UOL*</i>	15.		
8. <i>white clover</i>	<i>H</i>	<i>FACU-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>31%</i>					
Remarks: <ul style="list-style-type: none"> <li>- upland plot for AR58A and B wetlands</li> <li>- recently logged</li> <li>* use data sheets for upland plot for AR59A + AR59B</li> <li>* not listed</li> </ul>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 18"</i>  Depth to Saturated Soil (in.): <i>&gt; 18"</i>	
Remarks:	

AR58A/B  
up/CS52

**SOILS**

Map Unit Name: (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A <sub>1</sub>	10YA-6/2			clay loam
12-18	A <sub>2</sub>	10YA-3/2			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>disturbed soil from logging tracks</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes <b>No</b>
Remarks			

MS8B-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Hurston</i> Investigator: <i>KH, GD, JG</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>MS8B-SS3</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>60</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silky Willow</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Flat top Alder</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Arrow leaf Tear thumb</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Carex Vulpinoidea</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>red Canary Grass</i>	<i>H</i>	<i>FACW+</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>* Can't cross fence, so data point soils are taken along roadside ditch - GPS points collected using offset</i> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 5px;"> <i>pix # 41 on GD's camera looks East</i> </div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in places <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>1 inch in places</i>  Depth to Free Standing Water in Pit (in.): <i>12</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Heavy rainfall within past 24 hours</i>	



ID: AR58B-553

**SOILS**

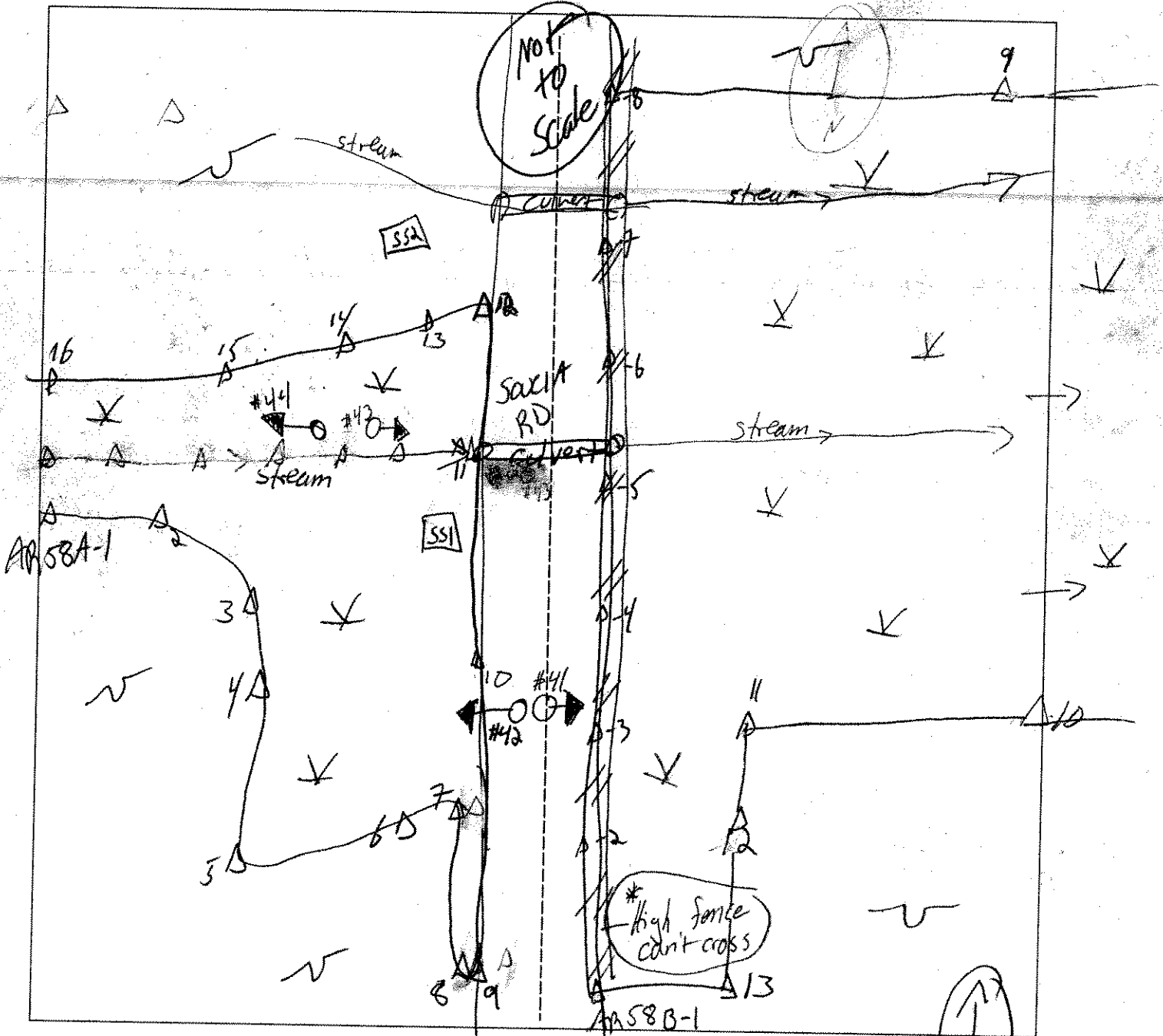
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR-2/1			Silt loam
14-18	E	5Y-5/2			Sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks			

SKETCH FORM

Wetland ID/Route #: <i>AR58A/B</i>	Date: <i>10/13/05</i>	Time:
Initials of Delineators: <i>KH, GD</i>	Location:	
Roll #: <i>41, 42 on Gregg's Camera</i>	Frames: <i>44, 43 shows stream</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR59A3  
WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Applicant/Owner: HURON Investigator: KH, GD, JB	Date: 12/18/05 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: Transect ID: Plot ID: AR 59A-SS1							

**VEGETATION**

Plant Community Classification: PSS  
Percent Canopy Cover: Tree: 20 Shrub: 70 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gray Birch	S	FAC	9. Carex lucida	H	OBL
2. Beck willow	S	FACW	10. Flat top Aster	FACW	FACW
3. Spotted Alder	S	FACW+	11.		
4. Red maple	S	FAC	12.		
5. Common Cuttail	H	OBL	13.		
6. Solidago brevifolia	H	FAC	14.		
7. Brown Fox Sedge	H	OBL	15.		
8. Sensitive Fern	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: Photo #46 on Greg's camera looks w

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 2 in flowing Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	
Remarks: recent heavy rain in last 12 hours	

ID: AR59A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	O	10YR-a/1	10YR-4/5	Faint red / distinct	
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		
		(Circle)	
		Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks			

AR59A  
vpl

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)

Project Site: Clinton County Applicant/Owner: HORTON Investigator: ISH, GD	Date: 10/18/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: AR59A-552

VEGETATION

Plant Community Classification: upland forest

Percent Canopy Cover: Tree: 95 Shrub: 10 Herb: 10 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer Saccharum	T	FACU-	9. Rubus sp.	H	unknown
2. Gray Birch	T	FAC	10. Matricaria Chamomile	H	vpl
3. Basswood	T	FACV	11.		
4. American Beech	S	FACV	12.		
5. Green Ash	S	FACW	13.		
6. Basswood	S	FACV	14.		
7. Acer Saccharum	S	FACU-	15.		
8. Carex sp.	H	unknown	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 30%

Remarks: pit # 46 on GD's Camera looks W

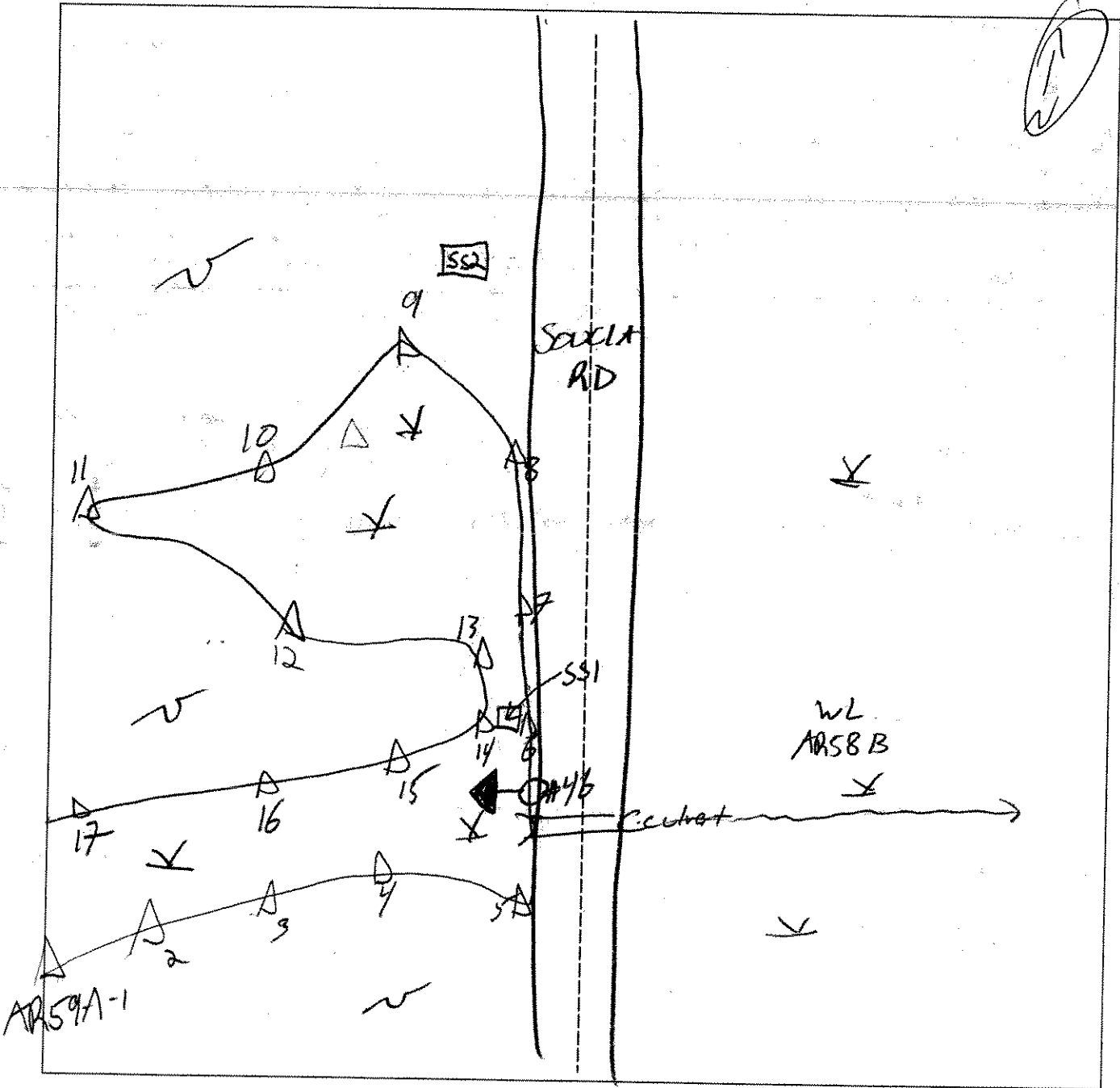
HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): > 6in Depth to Saturated Soil (in.): > 6in	
Remarks: refusal of auger 6 inches	



SKETCH FORM

Wetland ID/Route #: <i>AR59A</i>	Date: <i>10/18/05</i>	Time:
Initials of Delineators: <i>ISK, GD</i>	Location:	
Roll #: <i>46 on Gregg's Camera</i>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

*REPEL...  
 (NORTH BUDY)  
 & EXAM*

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(Signature)</i>	Date: <i>5/25/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>WERAND</i> Transect ID: <i>ARS9A</i> Plot ID: <i>-553</i>							

**VEGETATION** *PSS / PENW*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>10%</i> Shrub: <i>55%</i> Herb: <i>90%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9. <i>Trillium</i>	<i>H</i>	<i>FACW</i>
2. <i>Apple</i>	<i>T</i>		10. <i>Equisetum</i>	<i>H</i>	<i>FACW</i>
3. <i>Meadow Sweet</i>	<i>S</i>	<i>FAC+</i>	11. <i>J. effusus</i>	<i>H</i>	<i>FACW+</i>
4. <i>Silky Willow</i>	<i>S</i>	<i>OBL</i>	12. <i>Black Willow</i>	<i>S</i>	<i>FACW</i>
5. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Calox sp</i>	<i>H</i>		15.		
8. <i>Aster sp</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>9/12 = 75%</i>					
Remarks: <i>CATTAILS near to</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <i>At surface</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>8"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Disturbed Area (Logging Access?)</i>	



Date: 8/25/07  
 Community ID: WENAD  
 Plot ID: AR 59A-553

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/1			Silt loam
10-12	B	10YR 5/1	10YR 4/6	Fine/Fine/High	Silt clay

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor (Slight)
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

*Revised & added*

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(Signature)</i>	Date: <i>5/25/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Upland</i> Transect ID: <i>AR59A</i> Plot ID: <i>554</i>							

**VEGETATION** *MID SUCCESSIONAL ASPEN SHRUB*

Plant Community Classification:  
 Percent Canopy Cover: Tree: *10%* Shrub: *80%* Herb: *80%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	T/S	FACU-	9.		
2. Dogwood	T		10.		
3. Q. Asper	S	FACU	11.		
4. S. Spathulifolia	S		12.		
5. Trout Lily	H	UPL	13.		
6. Canada G. Pod	H	FACU	14.		
7. P. Spinosus G. Pod	H	FAC	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $1/8 = 12\%$

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	Remarks:

Date: 5/25/07  
 Community ID: Upland  
 Plot ID: AK59A-554

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	A	7.5YR 3/2	—	—	Silt loam
16-18	B	2.5Y 4/2	—	—	Silty clay loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Organic streaking 16-18

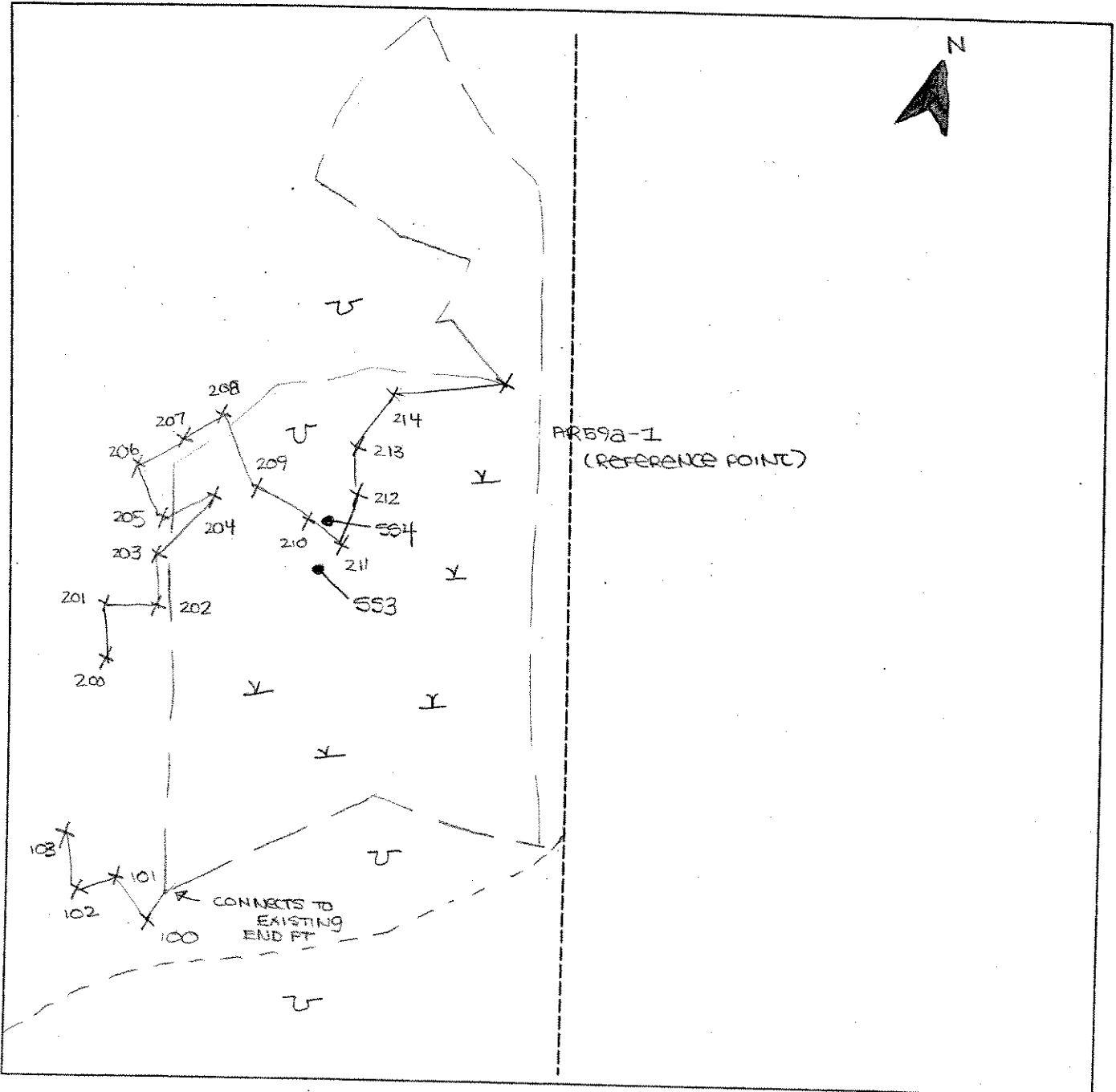
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No			

Remarks

# SKETCH FORM

<b>Wetland ID/Route #:</b> AR59-A	<b>Date:</b> 5/25/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

RE-DELINEATION  
extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RTD</i>	Date: 5/25/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: AR60A Plot ID: SS3

**VEGETATION**

*PERM w/ some PSS near rd.*

Plant Community Classification:					
Percent Canopy Cover: Tree: 10% Shrub: 10% Herb: 90% Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Amelanchier</i>	T	FACW-	9.		
2. <i>meadow grass</i>	S	FAC+	10.		
3. <i>Carex Oligata</i>	H	OBL	11.		
4. <i>TELEKWEED</i>	H	FACW	12.		
5. <i>Carex sp</i>	H		13.		
6. <i>ASTER</i>	H		14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/6 = 67%					
Remarks: <i>Silky &amp; BEAK willow in eastern part of wetland near Sweden Rd.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>7 1/2"</i> Depth to Saturated Soil (in.): <i>12"</i>	
Remarks: <i>Assessment w/ small creek (AR60A-ST)</i>	

Date: 5/25/07  
 Community ID: WETLANDS  
 Plot ID: AR60A

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1	—	—	Silty clay
12-14	B	2.5Y 4/2	—	—	(CIA: 100m)

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: ORGANIC STREAKING 12-14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	NOT WETLANDS Is this Sample Station Point Within a Wetland?
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Re-delineation  
Line  
extension

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(Signature)</i>	Date: 5/25/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes No Yes No Yes No
	Community ID: Upland Transect ID: AR60 A Plot ID: -554

VEGETATION *Upland Decid Forest*

Plant Community Classification:  
Percent Canopy Cover: Tree: 85% Shrub: 35% Herb: 15% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	T/S/H	FACU-	9.		
2. Trout Lilly	H	UPL	10.		
3. Green Ash	T	FACW	11.		
4. Gray Birch	T	FAC	12.		
5. Quake Aspen	T	FACU	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $3/7 = 43\%$

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 5/25/07  
 Community ID: UPLAND  
 Plot ID: ARBOA-SS4

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/1	—	—	S: H 10A W

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

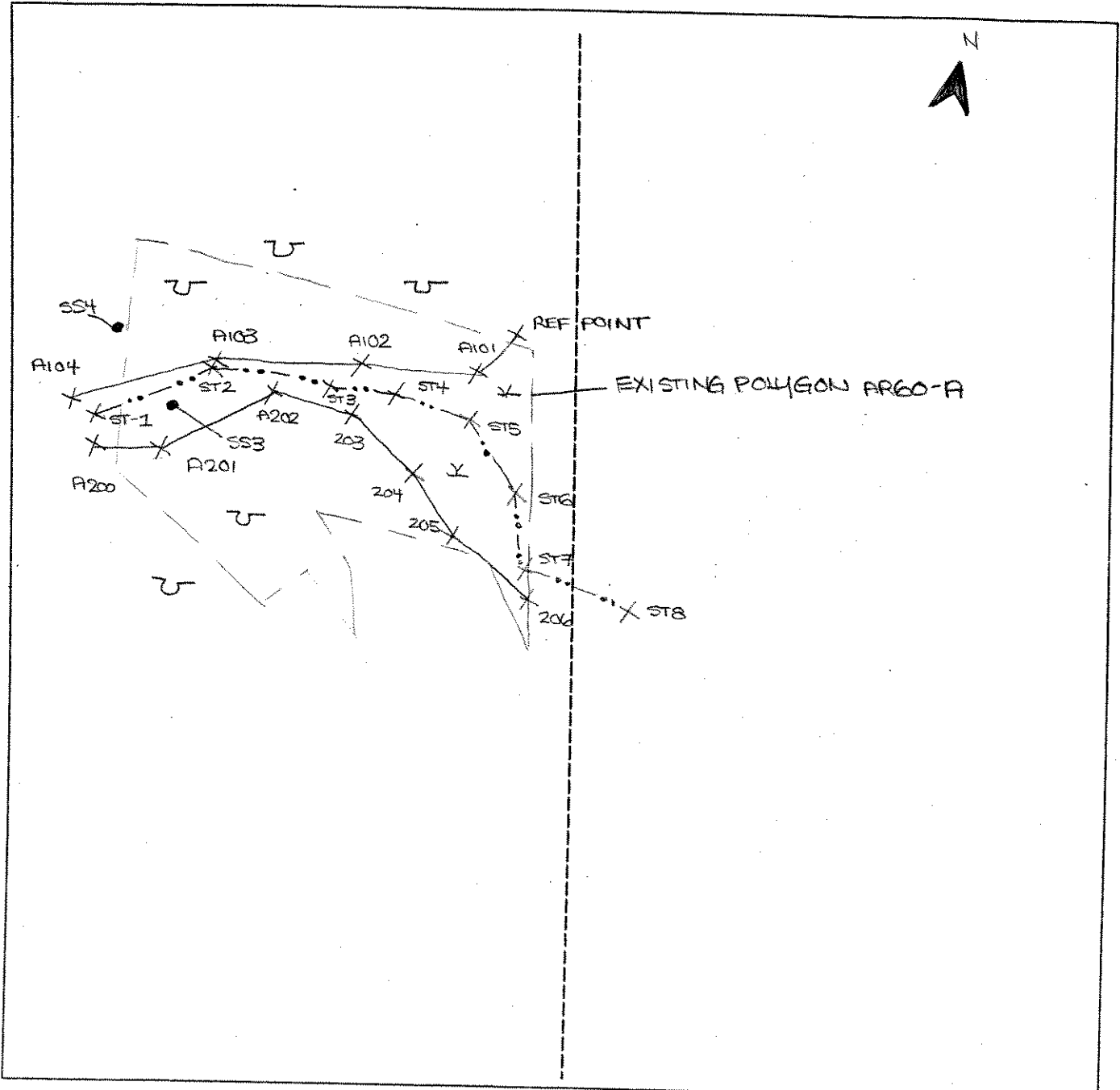
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> ARGO-A	<b>Date:</b> 5/25/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR 61A  
wL

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Murphy</i> Investigator: <i>KH, GD</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: Transect ID: Plot ID: <i>AR 61A-551</i>	

VEGETATION

Plant Community Classification: *PEM*  
Percent Canopy Cover: Tree: *40* Shrub: *20* Herb: *90* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex laxida</i>	H	OBL	9.		
2. <i>Wool Grass</i>	H	FACW	10.		
3. <i>N. Bumble weed</i>	H	OBL	11.		
4. <i>Sensitive Fern</i>	H	FACW	12.		
5. <i>Linden Tree</i>	S	FACU	13.		
6. <i>Sugar Maple</i>	S	FACU	14.		
7. <i>Linden</i>	T	FACU	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *57%*

Remarks: *photo # 50 on GD's camera looks N*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> <del>Inundated</del> <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>4 in</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent heavy rain in last 24 hours</i>	

AR 61 A  
WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-3/1			Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal at 4 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Yes) No
Remarks			

AR 61A  
vpl

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>HUTTON</i> Investigator: <i>KH, ED</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>
	Community ID: Transect ID: Plot ID: <i>AR 61A-552</i>

**VEGETATION**

Plant Community Classification: *Upland forest*  
Percent Canopy Cover: Tree: *90* Shrub: *40* Herb: *20* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Linden (Acer)</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>Acer saccharum</i>	<i>T</i>	<i>FACU-</i>	10.		
3. <i>Linden (Acer)</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Acer saccharum</i>	<i>H</i>	<i>FACU-</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *0*

Remarks: *Photo # 50 GP's camera shows 551, 552*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6in</i> Depth to Saturated Soil (in.): <i>&gt; 6in</i>	
Remarks: <i>recent heavy rainfall within last 24 hours</i>	

AR61A  
WL

**SOILS**

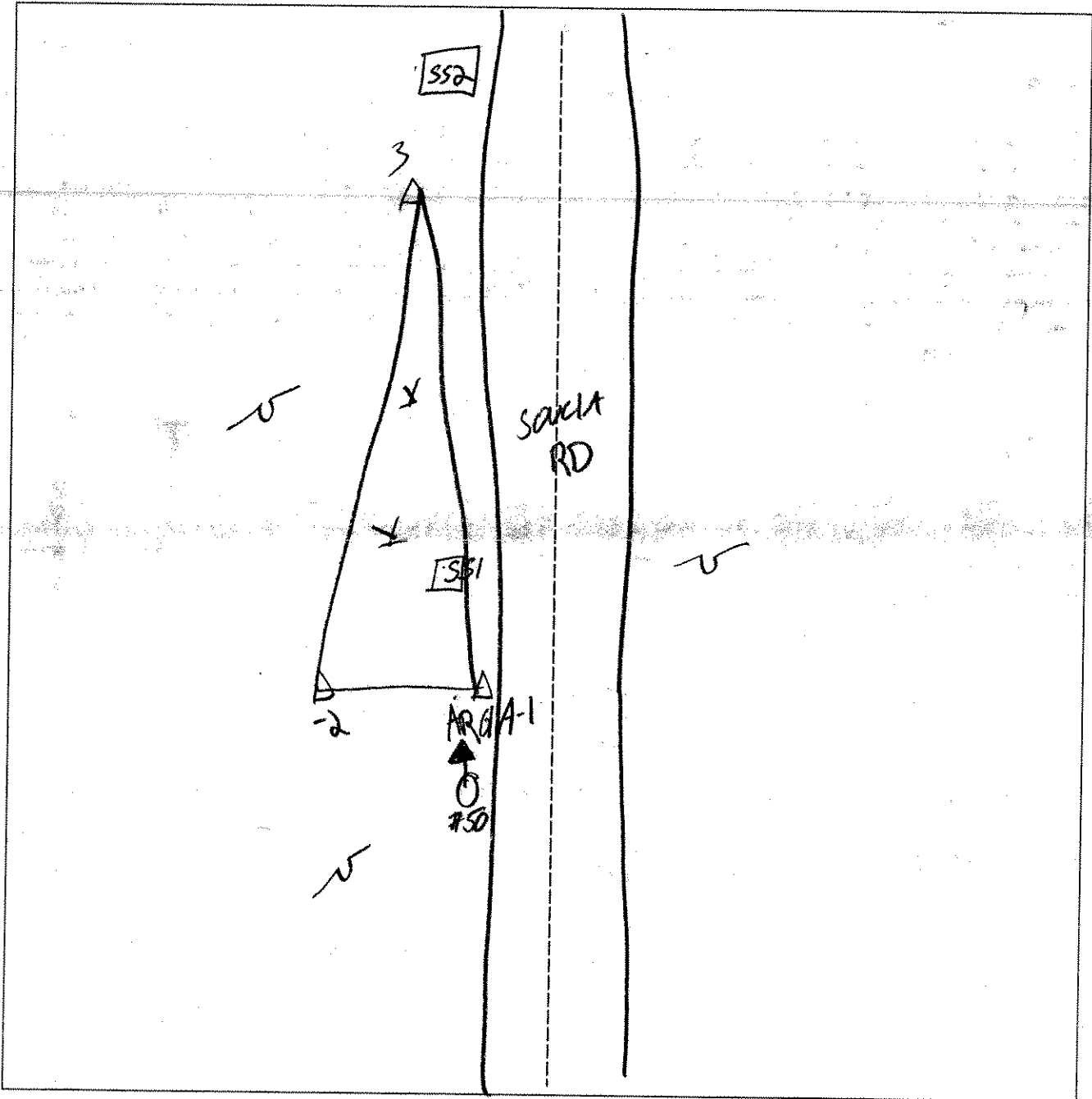
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	7.5YR-2/1			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - lots of roots and earthworms in soil - refusal at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes No
Remarks					

SKETCH FORM

Wetland ID/Route #: <i>AR 61A</i>	Date: <i>10/18/05</i>	Time:
Initials of Delineators: <i>BH GD</i>	Location:	
Roll #: <i>50 on Greg's camera</i>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR 62A w

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Olinnton County</u> Applicant/Owner: <u>MURKIN</u> Investigator: <u>KH, GD / JG</u>	Date: <u>10/18/05</u> County: <u>Cl...</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: Transect ID: Plot ID: <u>AR 62A-SS1</u>							

**VEGETATION**

Plant Community Classification: <u>PSS</u> Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>20</u> Herb: <u>100</u> Vine: <u>-</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	9. <u>Solidago gigantea</u>	<u>H</u>	<u>FACW</u>
2. <u>Reedbed willow</u>	<u>S</u>	<u>FACW</u>	10. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>
3. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>	11. <u>Phytolacca americana</u>	<u>H</u>	<u>FACW+</u>
4. <u>ACA Rubrum</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>Flat top Aster</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Bone Set</u>	<u>H</u>	<u>FACW+</u>	14.		
7. <u>Common Mullein</u>	<u>H</u>	<u>OBL*</u>	15.		
8. <u>large leaf Golden rod</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>91%</u>					
Remarks: <u>photo # 51 on GD's camera looks w</u>  <u>* NOT LISTED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>Avg. 6 in.</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

AR 62A-wL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	<u>A</u>	10YR 2/2	—	—	Loam / peat
6-8	<u>A</u>	10YR 2/2	—	—	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Refusal @ 8 in</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle) Is this Sample Station Point Within a Wetland? (Yes) No
Wetlands Hydrology Present?	(Yes) No	
Hydric Soils Present?	(Yes) No	
Remarks		



AR 62B-SS1  
WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MURKIN</i> Investigator: <i>BD, KH, JG</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 62B-SS1</i>

**VEGETATION**

Plant Community Classification: *P95*  
Percent Canopy Cover: Tree: *10* Shrub: *50* Herb: *40* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. "	S	FAC	10.		
3. <i>Populus tremula</i>	T	FACU	11.		
4. <i>Populus tremula</i>	S	FACU	12.		
5. <i>Salix latifolia</i>	H	FAC+	13.		
6. <i>Phalaris arundinacea</i>	H	FACW+	14.		
7. <i>Iris versicolor</i>	H	FACW	15.		
8. <i>Eupatorium perfoliatum</i>	H	FACW+	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *75%*

Remarks: *photo # 52 BD's camera looks East*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>Ave. 6"</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

ID: AR 62 B - WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 3/2			Ames
3-10	A	10YR 4/2	10Y-5/2	Many / coarse	<del>Silt/clay</del>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Fe concretions					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No		(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	(Circle) Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

AR 62 A/B  
UPL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County wetland</u> Applicant/Owner: <u>HORTON</u> Investigator: <u>KH, GD, JG</u>	Date: <u>10/19/05</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: Transect ID: Plot ID: <u>AR 62 A/B .552</u>							

**VEGETATION**

Plant Community Classification: <u>Upland</u>					
Percent Canopy Cover: Tree: <u>99</u> Shrub: _____ Herb: <u>1</u> Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Asp saccharum</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>II</u>	<u>S</u>	<u>FACU</u>	10.		
3. <u>Fagus grandifolia</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Desmodium illinoense</u>	<u>H</u>	<u>FACU</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>					
Remarks:					

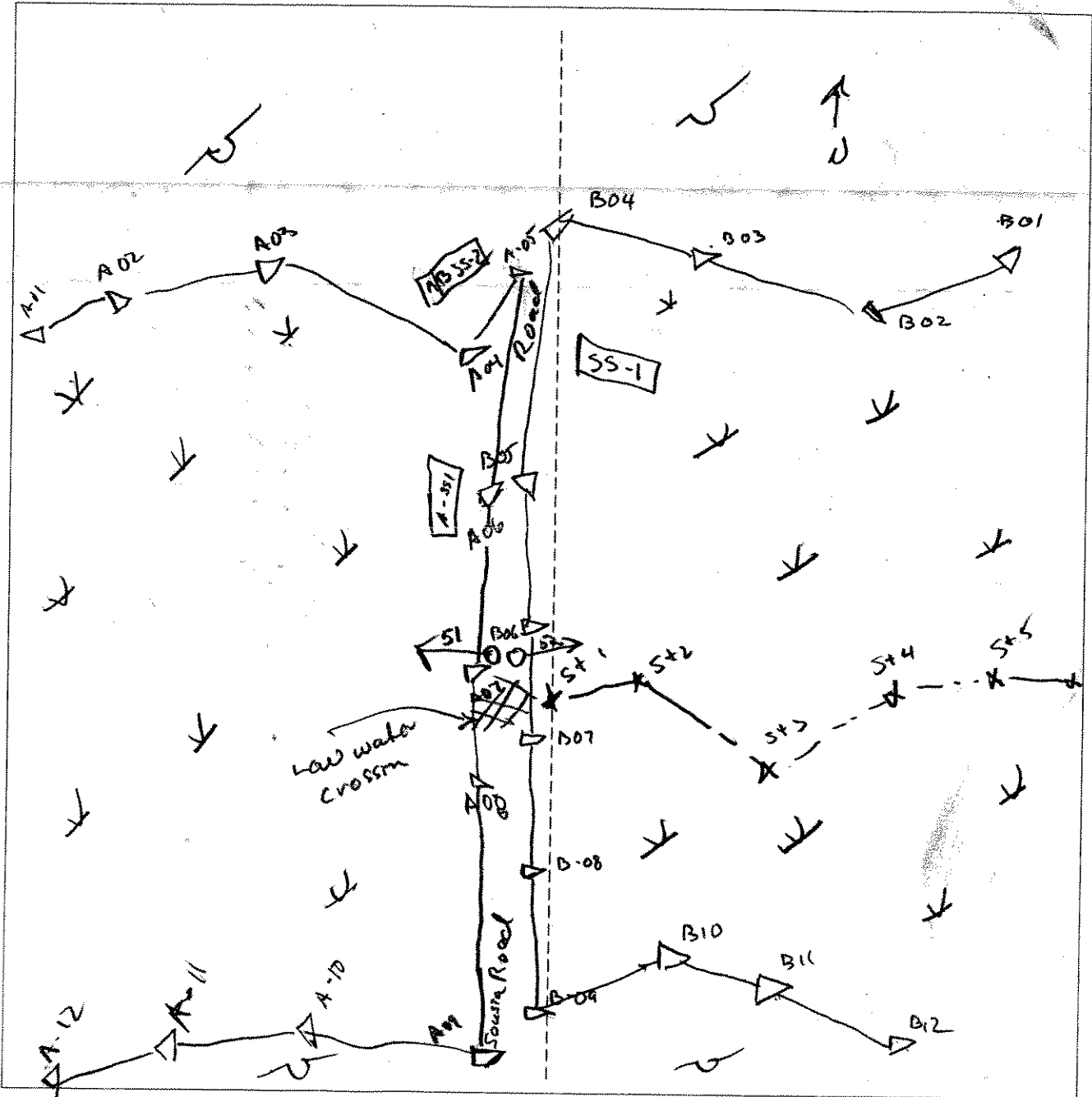
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>surface</u>  Depth to Saturated Soil (in.): <u>surface</u>	
Remarks: <u>Recent heavy rains resulting in false positive for hydrology</u>	



SKETCH FORM

Wetland ID/Route #: AR 62A/B	Date: 10/19/05 / 10/19/05	Time: 10:15
Initials of Delineators: GCD, JH, JG	Location: AR 62 AB	
Roll #: 51 West, 52 East on Gregg's camera	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR 63A  
WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, NY</i> Applicant/Owner: <i>HUSKIN</i> Investigator: <i>KH, GD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR63A-SS1</i>

**VEGETATION**

Plant Community Classification: *PBM/PSJ*

Percent Canopy Cover:      Tree:      Shrub:      Herb:      Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9. <i>Spirea latifolia</i>	<i>H</i>	<i>FAC+</i>
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10. <i>Narrow leaf Goldenrod</i>	<i>H</i>	<i>FAC</i>
3. <i>American Beech</i>	<i>T</i>	<i>FACU</i>	11.		
4. <i>Black Willow</i>	<i>S</i>	<i>FAC+</i>	12.		
5. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>N. Bugle Weed</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>Carex Intumescens</i>	<i>H</i>	<i>FACW+</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *90%*

Remarks:  
  
*- Interrupted drainage from road construction*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>1-2</i>  Depth to Free Standing Water in Pit (in.): <i>2</i>  Depth to Saturated Soil (in.): <i>0</i>	Remarks: <i>recent rainfall within last 12 hours</i>

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-2/2			Silt loam / Humus
4-6	A	10YR-3/2	7.5YR-4/4	Few/Med./Faint	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal at 6 inches - lots of roots in O horizon					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No Yes No Yes No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes No
Wetlands Hydrology Present?				
Hydric Soils Present?				
Remarks				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR 63A-SS2 UPL  
AR 64A/B-SS2

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MURPHY</i> Investigator: <i>ISH, BD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 63A-SS2</i> <i>AR 64A/B-SS2</i>

**VEGETATION**

Plant Community Classification: *Upland forest - Beech Maple Mesic*

Percent Canopy Cover: Tree: *70* Shrub: *60* Herb: *70* Vine: *5*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aster Thibaudii</i>	<i>F</i>	<i>FAC</i>	9.		
2. <i>Aster Sachalinum</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>American Beech</i>	<i>S</i>	<i>FACU+</i>	11.		
4. <i>Prunus Serotina</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Flat top Aster</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Rubus Alleghaniensis</i>	<i>H</i>	<i>FACU</i>	15.		
8. <i>Night Shade</i>	<i>V</i>	<i>FAC-</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *25%*

Remarks: *photo # 53 looks w*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i> Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks:	



ID: AR63A-up2  
AR64A/B-up2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-3/2			Silty clay loam
3-6	A	10YR-5/2	10YR-5/4	Few/med/distinct	sandy clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal at 6 inches

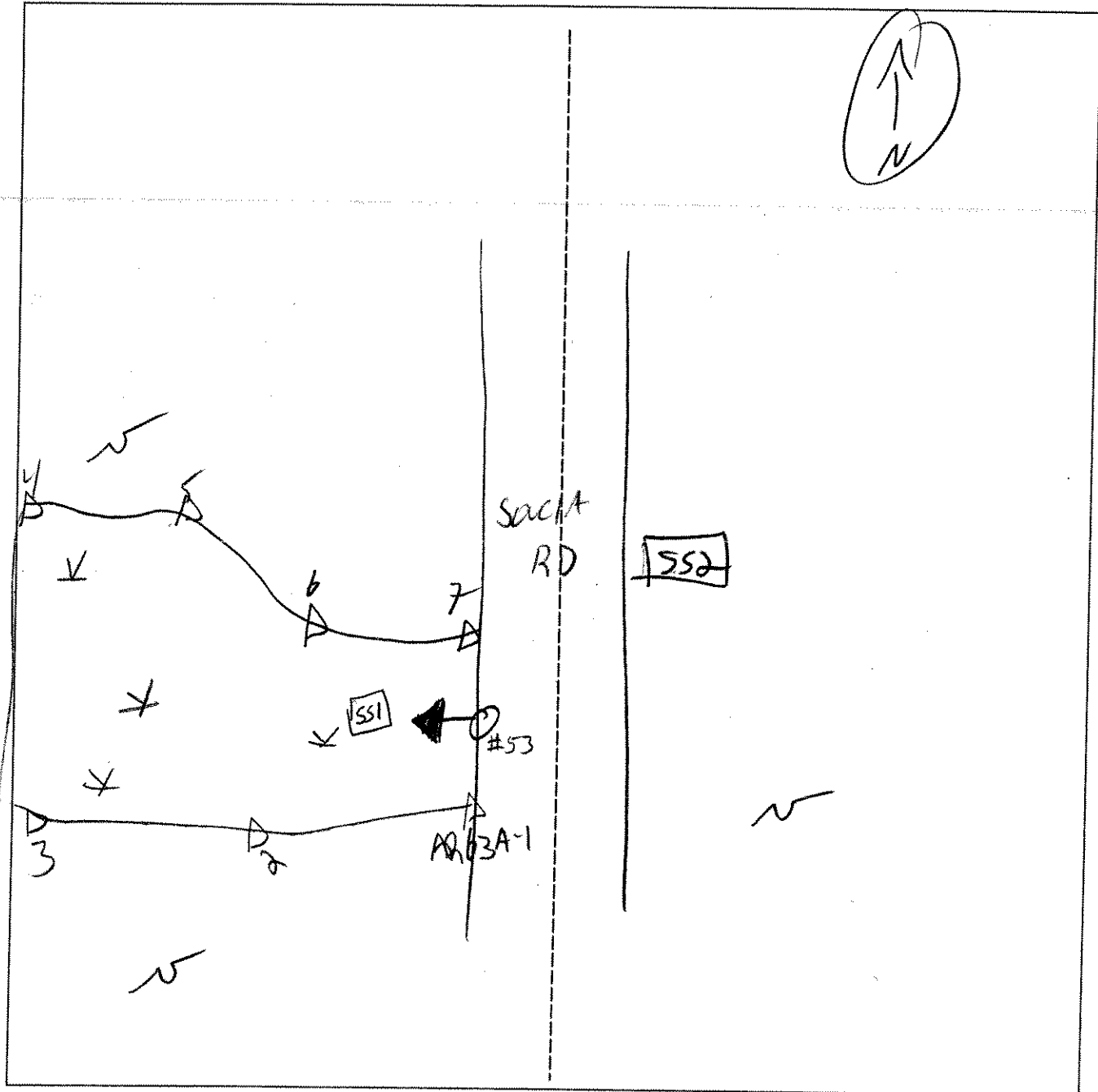
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)	Is this Sample Station Point Within a Wetland?	Yes	<input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	No			Is this an Isolated Wetland?	Yes	No
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No					

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> <i>AR 63A</i>	<b>Date:</b> <i>10/19/05</i>	<b>Time:</b> <i>11:20</i>
<b>Initials of Delineators:</b> <i>1/A, 6/D</i>	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b> <i>53 on Gregg's Camera</i>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR64A/B  
 WL

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MURSON</i> Investigator: <i>KA, GD, TB</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> Is the area a potential Problem Area? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR64A/B-551</i>

**VEGETATION**

Plant Community Classification: <i>PFO</i>					
Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>50</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9. <i>Canary Reed Grass</i>	<i>H</i>	<i>FACW</i>
2. <i>Linden</i>	<i>T</i>	<i>FACW</i>	10.		
3. <i>Spirea latifolia</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Sensitive fern</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Carex Linida</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Brown Fox sedge</i>	<i>H</i>	<i>OBL</i>	14.		
7. <i>Poa Palustris</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Needle Spikenard</i>	<i>H</i>	<i>OBL</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>89.50</i>					
Remarks: <i>Basswood, Acer Rubrum on the wetland fringes</i> <i>pix # 55 looks E ; # 54 looks west at 551</i> <i>on GD's camera</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4-6 in</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent rainfall within 12 hours</i>	

ID: AR 64A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	0	10YR-2/2			Clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal @ 5 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR 63A-SSA UPL  
AR 64A/B-SSA

Project Site: <i>Clinton County</i> Applicant/Owner: <i>HURTEN</i> Investigator: <i>SH, SD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 63A-SSA</i> <i>AR 64A/B-SSA</i>

**VEGETATION**

Plant Community Classification: *upland forest - Beech Maple Mesic*  
 Percent Canopy Cover: Tree: *70* Shrub: *60* Herb: *70* Vine: *5*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer Saccharum</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Amorpha Canadensis</i>	<i>S</i>	<i>FACU+</i>	11.		
4. <i>Prunus Serotina</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Bracken fern</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Flat top Aster</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Rubus Alleghaniensis</i>	<i>H</i>	<i>FACU</i>	15.		
8. <i>Night Shade</i>	<i>V</i>	<i>FAC-</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *25%*

Remarks: *photo # 53 looks w*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i>  Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks:	

ID: AR63 A-up 2  
AR64 A/B-up 2

**SOILS**

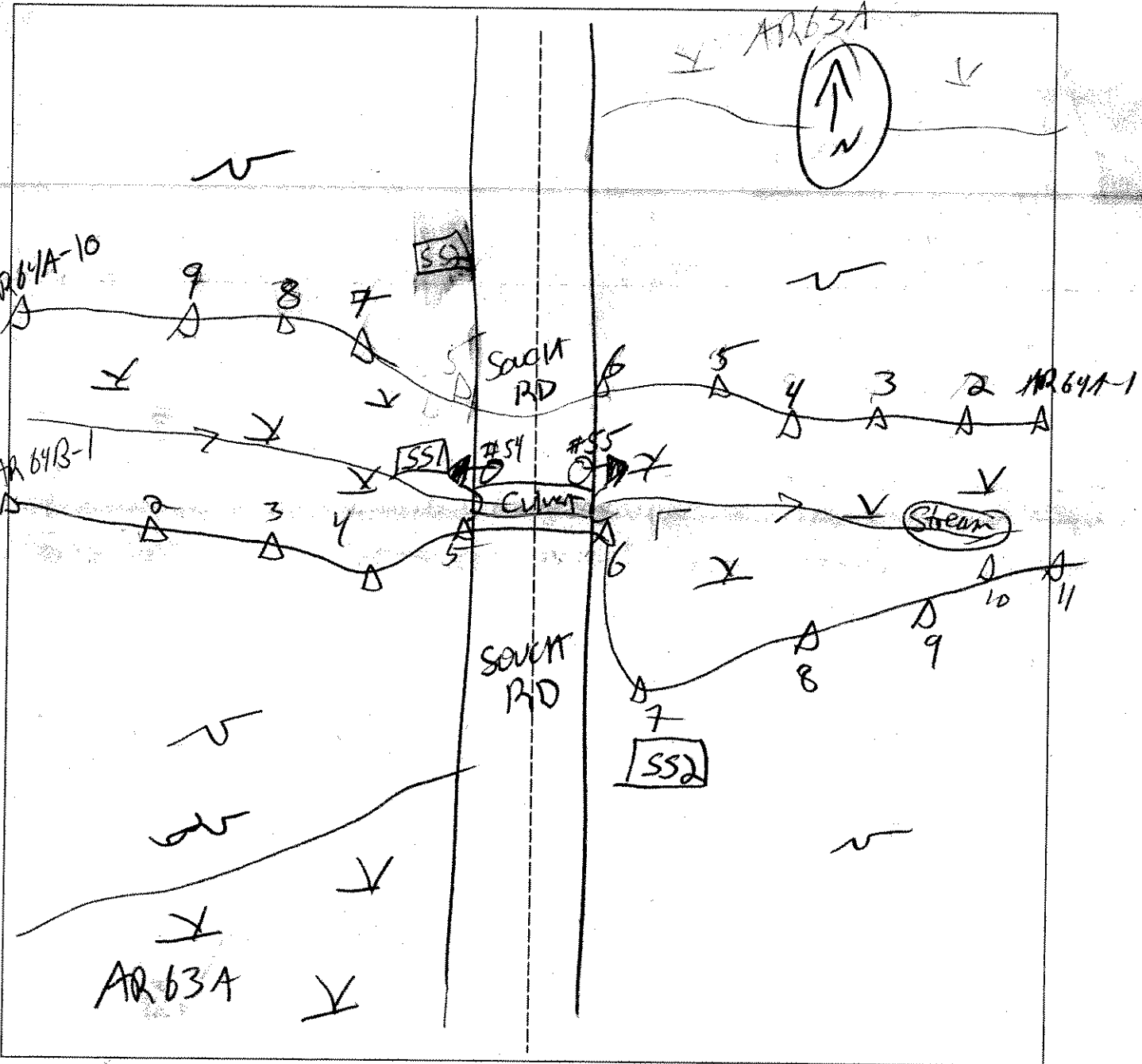
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-3/2			silty clay loam
3-6	A	10YR-5/2	10YR-5/4	Few/med/distinct	sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: <b>AR 63A/B</b>	Date: <b>10/19/05</b>	Time: <b>10:05</b>
Initials of Delineators: <b>SK, GD</b>	Location:	
Roll #: <b>54 West, 55 East on Gregg's Camera</b>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: ARG4-A Plot ID: 553

**VEGETATION**

Plant Community Classification: PFO1					
Percent Canopy Cover: Tree: 80 Shrub: 25 Herb: 95 Vine: $\phi$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ONOCLEA SENSIBILE	H	FACW	9.		
2. IMPATIENS CAPENSIS	H	FACW	10.		
3. CAREX SP	H		11.		
4. ACER RUBRUM	T	FAC	12.		
5. BASSWOOD	T	FACW	13.		
6. ACER RUBRUM	S	FAC	14.		
7. SPIRAEA LATIFOLIA	S	FAC+	15.		
8. NANNYBERRY	S	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $7/8 = 87\%$					
Remarks: ALSO... SOLIDAGO SP. CAREX INTUMESCENS CRINATA(?) HAIANTHEMUM CANADENSIS					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: $2''$ IN OTHER PARTS <del>2</del> OF WETLAND Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): $0''$	
Remarks:	



Date: 6/1/2007  
 Community ID: WETLAND  
 Plot ID: AR101A 558

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 4/1			SANDY LOAM
9-18	B	10YR 5/2	10YR 4/6	COMMON/MED/DISTINCT	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			
DEER FOOT PRINTS			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AR64A Plot ID: 554

**VEGETATION**

Plant Community Classification: UPLAND DECIDUOUS FOREST					
Percent Canopy Cover: Tree: 50 Shrub: 40 Herb: 85 Vine: 2					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. NAENTHENUM CANADENSIS	H	FAC-	9.		
2. TROUT LILY	H	UPL	10.		
3. CAREX SP	H		11.		
4. ACER SACCHARUM	S	FACU-	12.		
5. POPULUS TREHULOIDES	S	FACU	13.		
6. ACER SACCHARUM	T	FACU-	14.		
7. ACER RUBRUM	T	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/7 = 14%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 6/1/2007  
 Community ID: UPLAND  
 Plot ID: AR64A-SS4

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-12	A	5YR 4/4			SILT LOAM

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

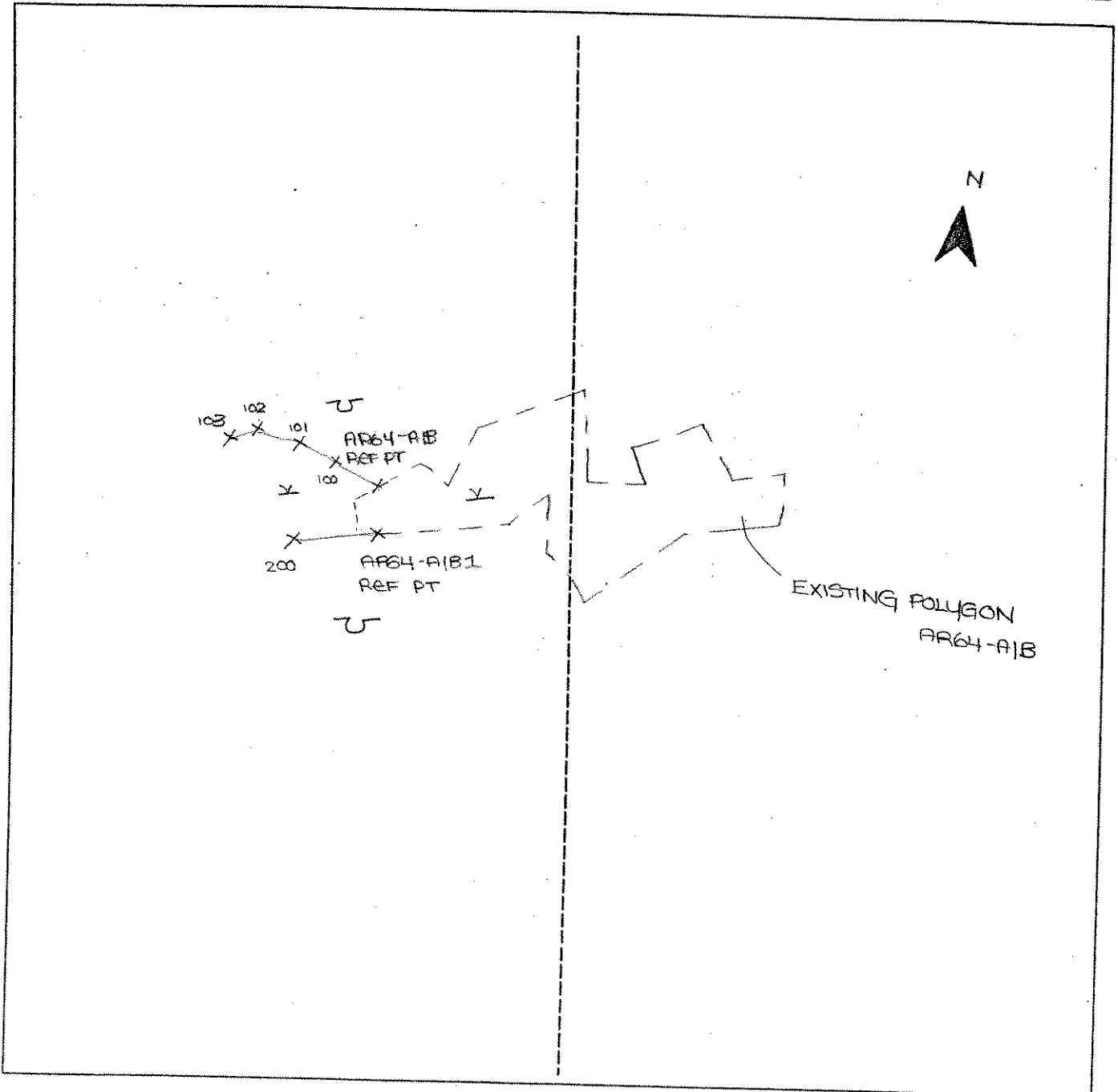
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

# SKETCH FORM

<b>Wetland ID/Route #:</b> AR64-A/B	<b>Date:</b> 5/25/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b>	<b>Frames:</b>



<u>Legend</u>	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
X	Wetland
U	Upland
—	Stream
- . .	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR65A  
WL-SSI

Project Site: <i>Clinton County</i> Applicant/Owner: <i>HORTON</i> Investigator: <i>KH, GD, JB</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR65A-SSI</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover:		Tree: <i>5</i>	Shrub: <i>40</i>	Herb: <i>90</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del>...</del> <i>KH</i>			9. <i>Bone Set</i>	<i>H</i>	<i>FACW</i>
2. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	10. <i>Plat. top Aster</i>	<i>H</i>	<i>FACW</i>
3. <i>American PEM</i>	<i>T</i>	<i>FACW</i>	11. <i>Cat tail</i>	<i>H</i>	<i>OBL</i>
4. <del>...</del> <i>KH</i>			12. <i>Carex lurida</i>	<i>H</i>	<i>OBL</i>
5. <del>...</del> <i>KH</i>			13. <i>Juncus Effusus</i>	<i>H</i>	<i>FACW</i>
6. <del>...</del> <i>KH</i>			14. <i>Eleocharis Acicularis</i>	<i>H</i>	<i>OBL</i>
7. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	15.		
8. <i>Beak willow</i>	<i>H</i>	<i>FACW</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Man made ditch from logging? The narrowness of the feature causes the inclusion present in the adjacent uplands of upland tree and shrub species</i> <i>pix# 36 looks SW on GD's camera</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2-4'</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recat heavy rainfall in last 1d hours</i>	

ID: AA65A-WL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-5/1	10YR-5/8 10YR-2/1	Many/large/distinct Few/large/distinct	SANDY clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of Auger @ 6"

Mcg Mottles 10YR-2/1 Few

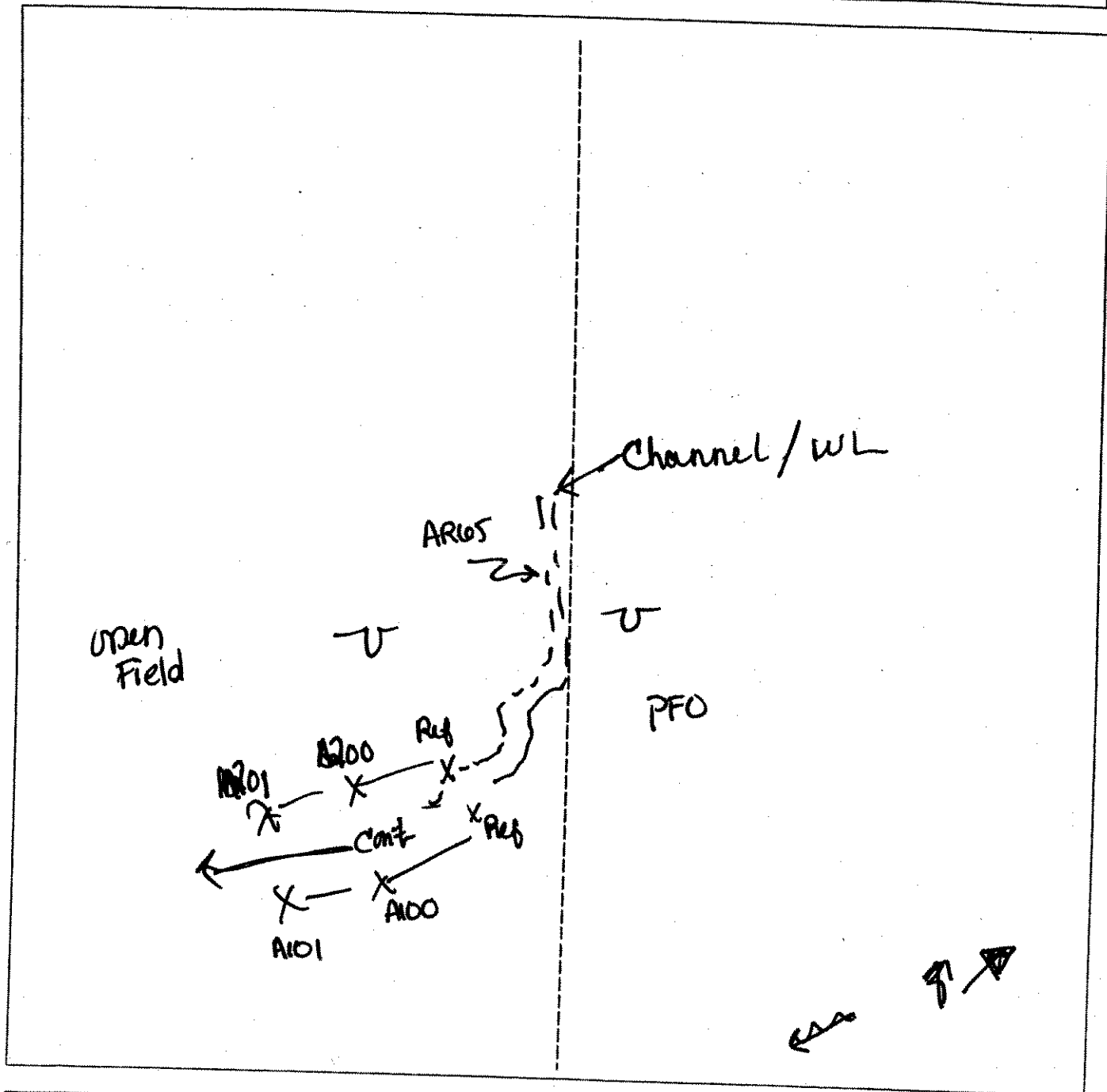
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?			Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?			Is this an Isolated Wetland? <input type="radio"/> Yes <input type="radio"/> No

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR65 A</b> EXTENSION		Date: <b>5/10/07</b>	Time:
Initials of Delineators: <b>JV AP</b>		Location: <b>S of T. 155</b>	
Roll #:	Frames: <b>1a = N</b>		



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

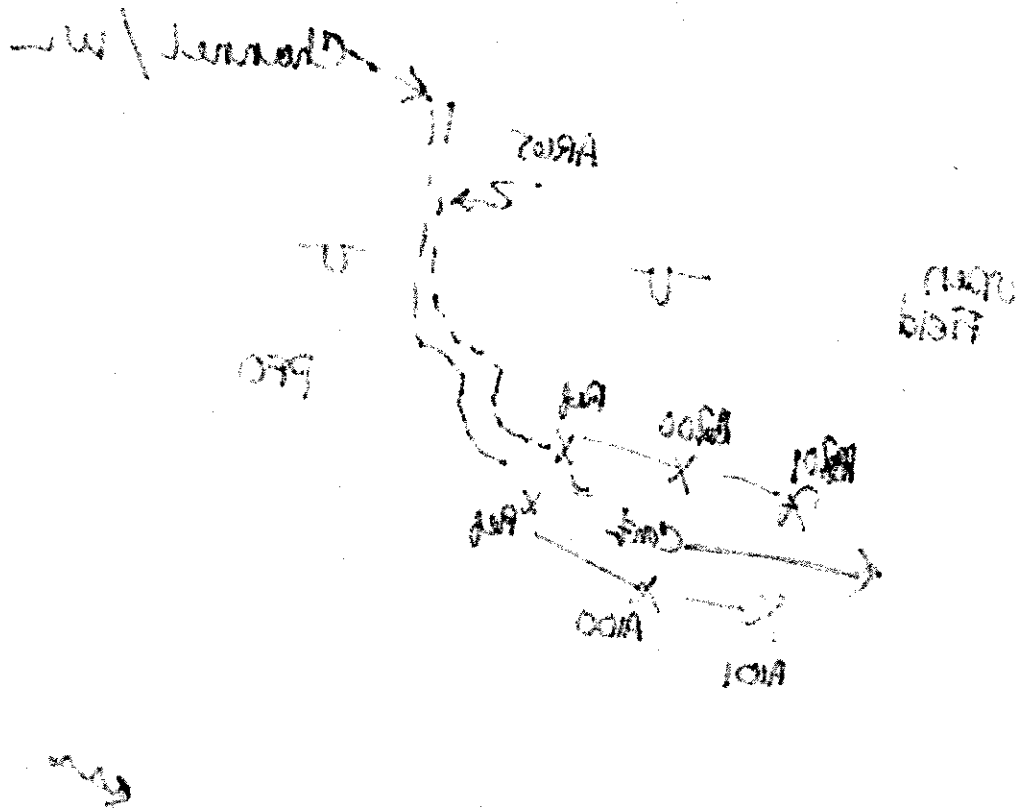
20/10/2

2 of T. 102

ARRA

9A VL

U = 61





AR65B-WL  
SSI

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Olinia County</i> Applicant/Owner: <i>Moran</i> Investigator: <i>KH, AD, JB</i>	Date: <i>10/19/05</i> County: <i>Olinia</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> Yes <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> No <input checked="" type="radio"/> No <input checked="" type="radio"/>
Community ID: Transect ID: Plot ID: <i>AR65B-SSI</i>	

**VEGETATION**

Plant Community Classification: *PEM*  
Percent Canopy Cover: Tree: *5* Shrub: *30* Herb: *90* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<del>1. <i>...</i></del>	<del>T</del>	<del>FAC</del>	9. <i>Road Linum Grass</i>	H	FACW+
<del>2. <i>...</i></del>	<del>T</del>	<del>FAC</del>	10. <i>Water Plantain</i>	H	OBL
<del>3. <i>...</i></del>	<del>S</del>	<del>FAC</del>	11. <i>Carex striata</i>	A	OBL
4. <i>Acer Rubrum</i>	T	FAC	12.		
5. <i>Salix bebbiana</i>	S	FACW	13.		
6. <i>Populus grandidentata</i>	S	FACW-	14.		
7. <i>Boneset</i>	H	FACW+	15.		
8. <i>Carex lasiocarpa</i>	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *Man made ditch - from logging?*  
  
*pix #57 looks NE*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>4-6 in</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent heavy rain in last 12 hours</i>	

ID: AR65B - WL  
551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-4/1			sandy clay
4-7	A <sub>2</sub>	5Y-4/1			" "
7-10	A <sub>3</sub>	5Y-4/1	10YR-5/8	Few/Large/distinct	" "

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal at 10 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR65B<sup>A</sup> -552  
upl

Project Site: <i>Clinton County</i> Applicant/Owner: <i>MURTON</i> Investigator: <i>KH GD</i>	Date: <i>10/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR65B-552</i> <i>AR65B</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>20</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer saccharum</i>	<i>T</i>	<i>FACU-</i>	9.		
2. <i>Populus tremula</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Black cherry</i>	<i>T</i>	<i>FACU</i>	11.		
4. <i>Acer rubrum</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Nightshade</i>	<i>V</i>	<i>FAC-</i>	13.		
6. <i>Acer rubrum</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Downy Wood Pecker</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Giant Golden Roil</i>	<i>H</i>	<i>FACU-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>38%</i>					
Remarks: <i>AR65A/B connected by culvert</i>					

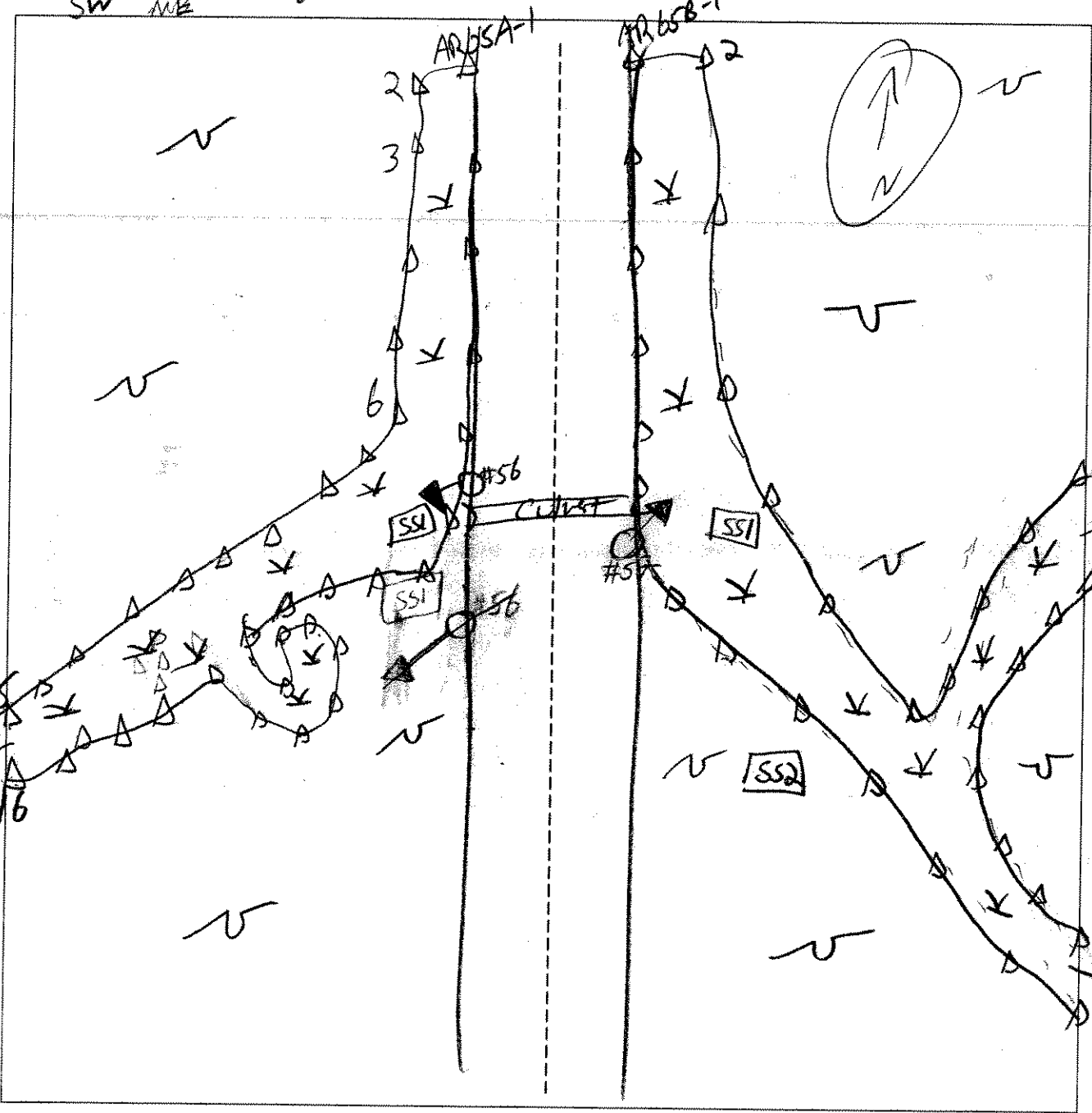
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i>  Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks: <i>recent rainfall in last 12 hours</i>	



SKETCH FORM

Wetland ID/Route #: <i>AR 65A/B</i>	Date: <i>10/19/05</i>	Time: <i>13:40</i>
Initials of Delineators: <i>ISA, GD</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>56, 57</i>	Frames: <i>Gregg's Camera</i>	
<i>SW NE</i>		



6

Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BA</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 1032-A-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>35</u> Shrub: <u>20</u> Herb: <u>40</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula papyrifera</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Liburnum coscinodes</u>	<u>SH</u>	<u>FACW</u>	11.		
4. <u>Sphagnum</u>	<u>H</u>	<u>OBC</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>6"</u>	Remarks:

Date: 7-26-06  
 Community ID: wetland  
 Plot ID: AR 1032-A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	Oe	7.5YR 4/4	—	—	flat sandy loam
4-6	A	6.0YR 2/1	—	—	med sand
6-12	B <sub>g</sub>	7.5Y 6/3	10YR 9/6	75%	

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

- organic streaking upper part of B<sub>g</sub>

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 1032 - A - 552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>35</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus grandidentata</u>	<u>T</u>	<u>FACV-</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC-</u>	10.		
3. <u>Betula populifolia</u>	<u>T</u>	<u>FAC-</u>	11.		
4. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Vaccinium angustifolium</u>	<u>SH</u>	<u>FACV</u>	13.		
6. <u>Blackberry</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Cornus mas</u>	<u>H</u>	<u>FAC-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>43%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>None observed</u>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	<u>None</u>
Remarks:	



Date: 7-26-06  
 Community ID: Upland  
 Plot ID: AR 1032-A-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1	-	low	
2-4	E	10YR 6/2	-	low	
4-5	5V9	7.5YR 3/3	-		
5-7+	9u	10YR 5/6	-		

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

extremely stony/shallow soil

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

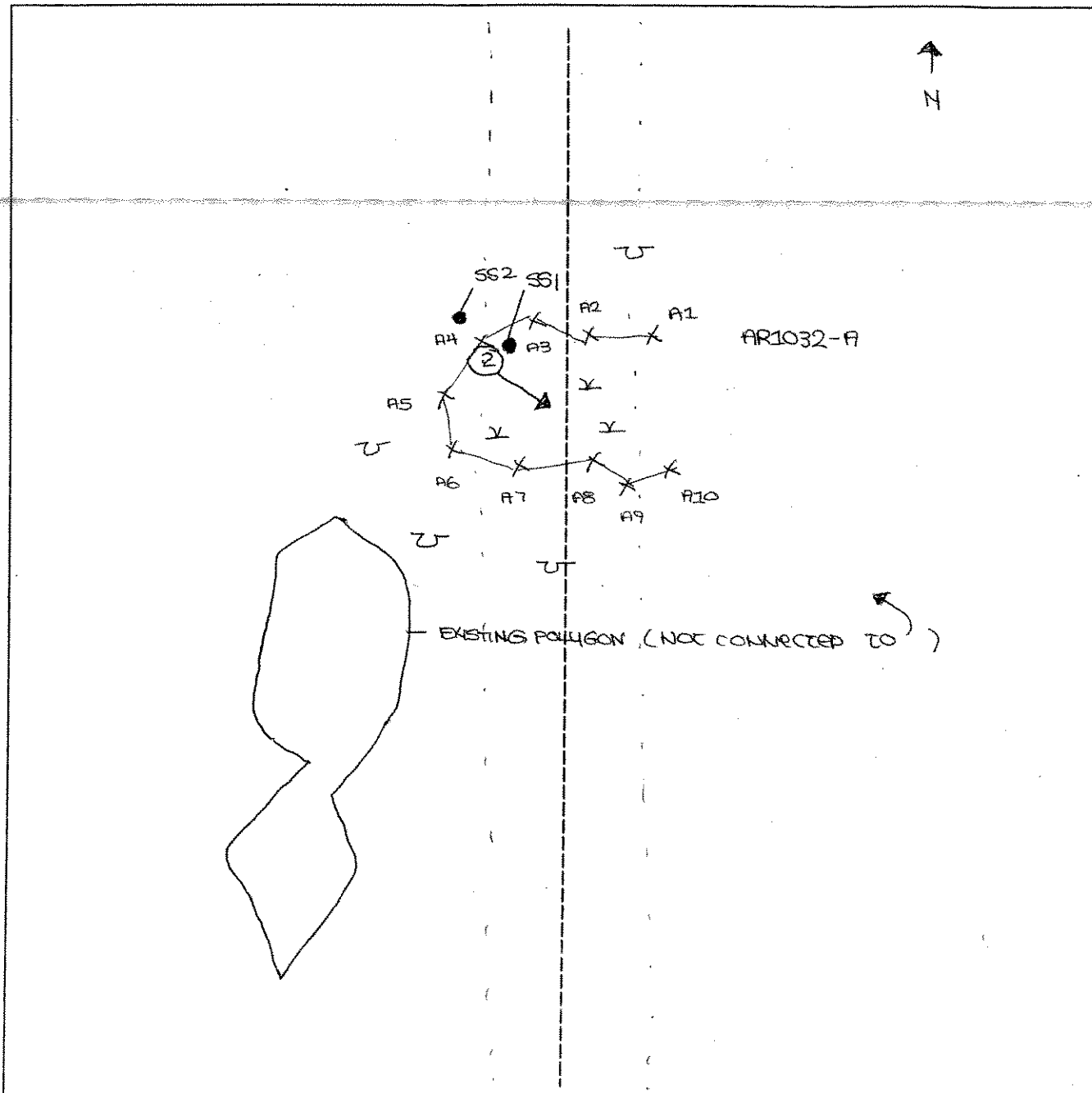
Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1032A	<b>Date:</b> 7/26/90 <b>Time:</b> AM
<b>Initials of Delineators:</b> BQ	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO②FACING SOUTHEAST	



<u>Legend</u>	
Photo Location/Direction Sample Station Centerline Flag	Wetland Upland Stream Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 1033 A/B SSI</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>60</u>	Shrub: <u>35</u>	Herb: <u>50</u>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>FAC</u>	<u>T</u>	9.		
2. <u>Betula populifolia</u>	<u>FAC</u>	<u>T</u>	10.		
3. <u>Viburnum cassinoides</u>	<u>FACW</u>	<u>SH</u>	11.		
4. <u>Acer rubrum</u>	<u>FAC</u>	<u>SH</u>	12.		
5. <u>Sphagnum</u>	<u>OBL</u>	<u>H</u>	13.		
6. <u>Carex sp.</u>	<u>ASSOCIATED</u>	<u>H</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>6"</u>	Remarks:

Date: 7-26-06  
 Community ID: wetland  
 Plot ID:  
 AR 1033 A/B SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	De	7.5YR 3/3			peat
4-7	Da	10YR 2/1	5.5YR 3/3	2%	muck
7-8	A	10YR 3/2			discontinuous
8-10	Bg	8.5Y 6/2			

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

extremely stony/shallow soil

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <u>CPTCUD</u> Transect ID: Plot ID: <u>RT 1033 A/B-SS2</u>	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 75 Shrub: 20 Herb: Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Blackberry</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	12.		
5. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	13.		
6. <u>Sarsaparilla</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 73%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>low observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-26-06  
 Community ID:  
 Plot ID:  
 AR 1033 A/B-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10 YR 7/1	—	none	Sandy loam
2-3	E	10 YR 6.5/2	—	none	↓
3-6	BC	10 YR 5/6	—	none	

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

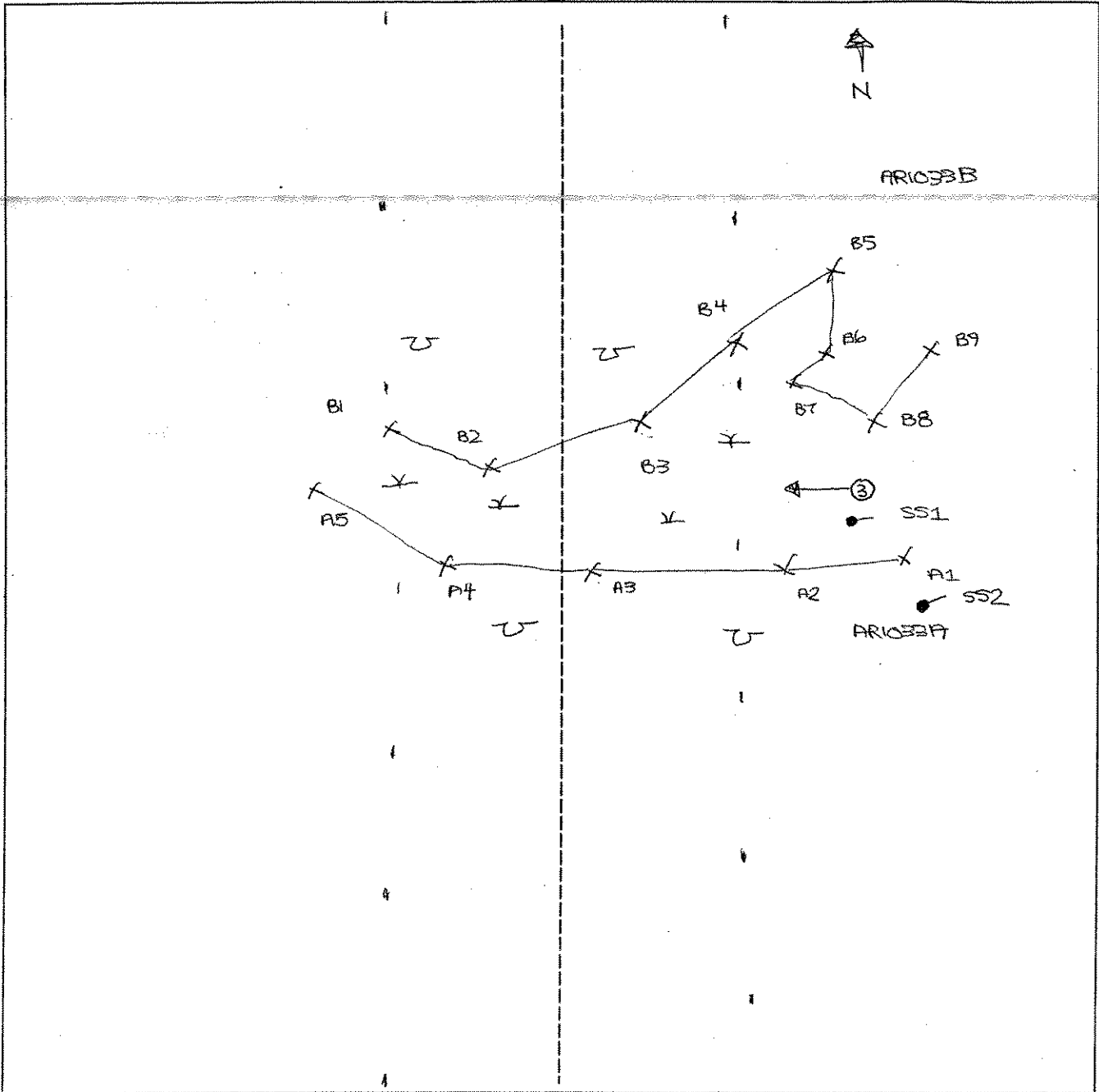
Hydrophytic Vegetation Present? Yes  No  
 Wetlands Hydrology Present? Yes  No  
 Hydric Soils Present? Yes  No

Is this Sample Station Point Within a Wetland? Yes  No

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> ARI033 A/B	<b>Date:</b> 7/26/06	<b>Time:</b> AM
<b>Initials of Delineators:</b> BQ / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO ③ FACING WEST		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-27-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 1084-A-551</u>							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>65</u> Herb: <u>35</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. W. Cedar</u>	<u>T</u>	<u>FACW</u>	9. <u>S. Anglica</u>	<u>H</u>	<u>OBL</u>
2. <u>A. rugosa</u>	<u>SH</u>	<u>FACW</u>	10.		
3. <u>Shadblow (A. canadensis)</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Rubus idaeus</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Spartina tenuifolia</u>	<u>H</u>	<u>FACW</u>	13.		
→ 6. <u>Dryopteris intermedia</u>	<u>H</u>	<u>FACW</u>	14.		
→ 7. <u>Carex sp</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Carex sp</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>78%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>surface</u>	
Remarks:	



Date: 7-28-06  
 Community ID: AR1034-A  
 Plot ID: S51

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A/0	10YR 2/1	2.5Y 4/2	2%	MUCKY MINERAL
10-15	B	2.5YR 5/2	2.5YR 5/6	7.5%	sand, 10cm
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BCO</i>	Date: <i>7-27-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>ATC 1034-A-SSL</i>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *0* Shrub: *10* Herb: *100* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ox. grass</i>	<i>H</i>	<i>-</i>	9.		
2. <i>Deudolion</i>	<i>H</i>	<i>FACW-</i>	10.		
3. <i>Plantago major</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Morua punctata</i>	<i>H</i>	<i>VPL</i>	12.		
5. <i>Rubus allegheniensis</i>	<i>SH</i>	<i>FACW-</i>	13.		
6. <i>Vicia sativa</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Galium nudugo</i>	<i>H</i>	<i>NI</i>	15.		
8.			16.		

edge field }  
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *0%*

Remarks: *Maintained field*

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):  <input type="checkbox"/> Stream, Lake, or Tide Gauge  <input type="checkbox"/> Aerial Photographs  <input checked="" type="checkbox"/> Other  <input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input type="checkbox"/> Inundated  <input type="checkbox"/> Saturated  <input type="checkbox"/> Water Marks <i>none</i>  <input type="checkbox"/> Drift lines  <input type="checkbox"/> Sediment Deposits  <input type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input type="checkbox"/> Water-Stained Leaves  <input type="checkbox"/> Local Soil survey Data  <input type="checkbox"/> FAC-Neutral Test  <input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <i>none observed</i>          Depth to Free Standing Water in Pit (in.):          Depth to Saturated Soil (in.):</p>	
Remarks:	

Date: 7-27-06  
 Community ID: upland  
 Plot ID:

ATZ 1034-A-552

**SOILS**

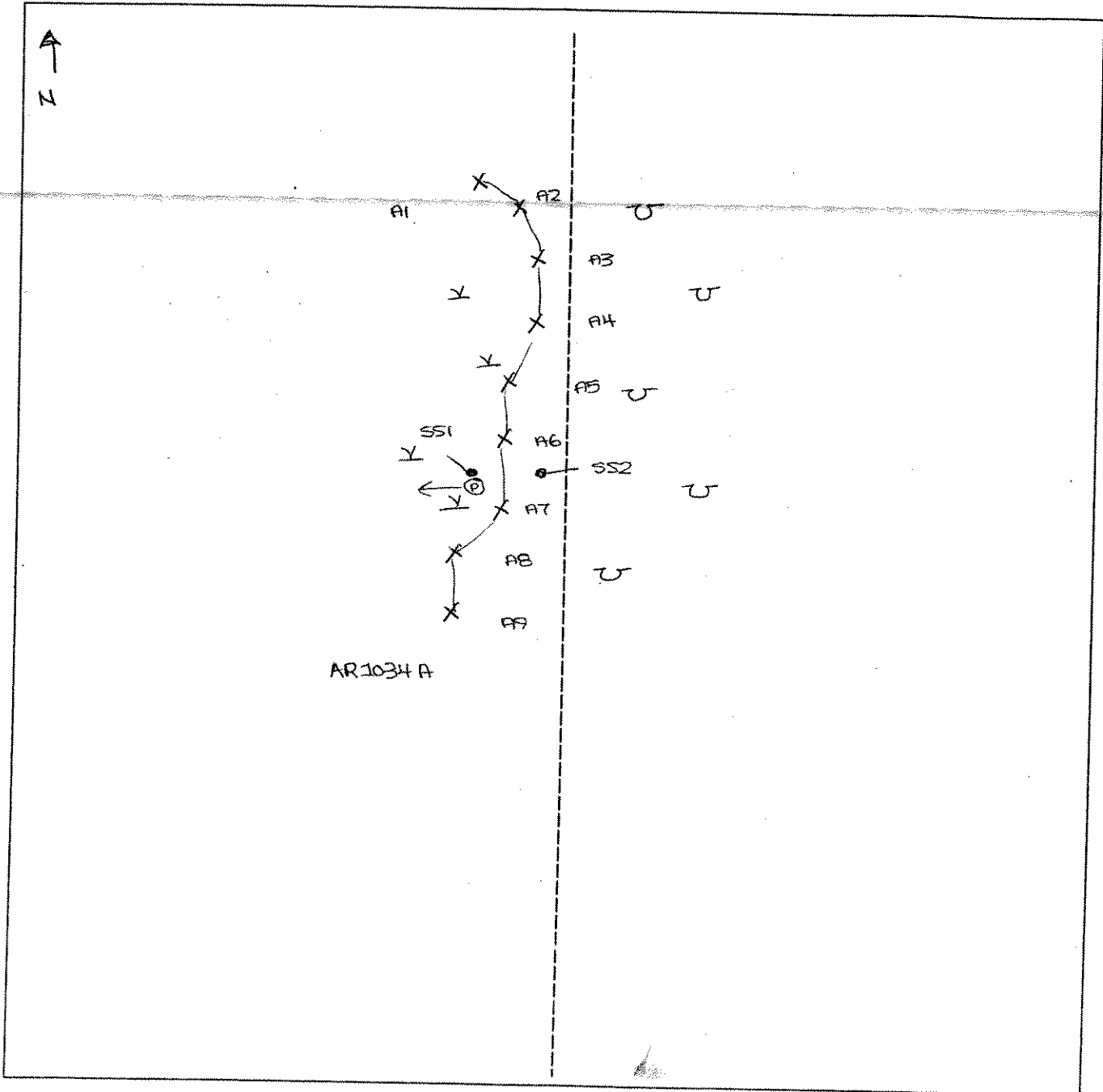
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	Ap	10YR 7/2	7.5YR 3/3	2% (lower part)	sandy loam
16+	Bw	10YR 5/4	None	—	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1034-A	<b>Date:</b> 7/26/00	<b>Time:</b>
<b>Initials of Delineators:</b> BQ / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO FACING WEST		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BA</u>	Date: <u>7-27-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>ATL1035-A-991</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>20</u> Herb: <u>20</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula papyrifera</u>	<u>T</u>	<u>FAC</u>	9.		
→ 2. <u>N.W. Cedar</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Royal Fern</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>Balsam Fir</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	14.		
→ 7. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Red Spruce</u>	<u>T</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>75%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-27-06  
 Community ID: wetland  
 Plot ID: AR 1035-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	<del>A</del>	10 YR 3/1			
3-5	A	2.5 YR 3/2	7.5 YR 7/3	78%	Sandy loam
5-15	BA	2.5 YR 5/2	10 YR 4/4	75%	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BC</i>	Date: <i>7-27-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <i>NHewk</i> Transect ID: Plot ID: <i>ATZ 1035-ASSD</i>	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *65* Shrub: *35* Herb: *5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam poplar</i>	<i>SH</i>	<i>FAC</i>	9.		
2. <i>Hackberry</i>	<i>T</i>	<i>FACW</i>	10.		
3. <i>Betula papyrifera</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>Canada mayflower</i>	<i>H</i>	<i>FAC-</i>	12.		
5. <i>Red spurge</i>	<i>T</i>	<i>FACW</i>	13.		
6. <i>Balsam poplar</i>	<i>T</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *50%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>low</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-27-06  
 Community ID: Upland  
 Plot ID: AR 1035-A-852

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O <sub>i</sub>				
2-7	A	10YR 7/2	None		Sandy loam
7-15	B <sub>1</sub> g1	7.5YR 3/3	NONE		
15-18+	BW <sub>2</sub>	10YR 4/4	NONE		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

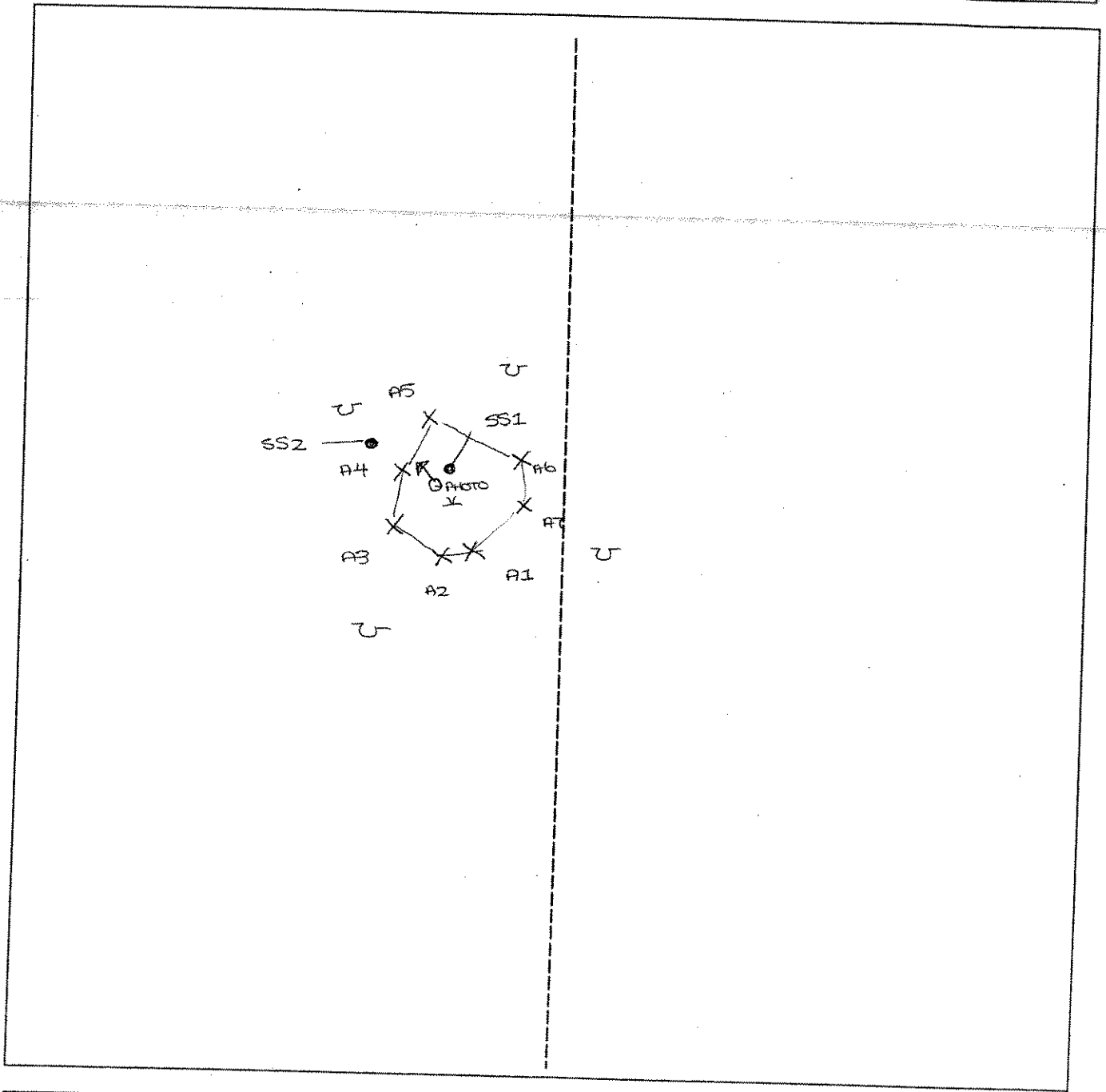
Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1035A	<b>Date:</b> 7/27/06 <b>Time:</b> PM
<b>Initials of Delineators:</b> BR / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO FACING NORTHWEST	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-28-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>ARC 1036-1-SS1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>30</u> Herb: <u>90</u> Vine: <u>1</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Prunus americana</i>	T	FACU	9. <i>Carex</i> sp.	H	OBSERV
2. <i>Acer rubrum</i>	T	FAC	10. <i>Bousetia</i> ( <i>E. pellucidum</i> )	H	FACW
3. <i>Spiraea latifolia</i>	SH	FACW	11. <i>Solidago rugosa</i>	H	FAC
4. <i>Betula pumila</i>	SH	FAC	12. <i>Solidago</i> sp.		
5. <i>Quercus alba</i>	H	FACU	13. <i>Sagittaria</i> sp.	H	FAC
6. <i>Carex lupulina</i>	H	OBL	14. <i>Aristida</i> sp.	V	OBL
7. <i>Carex vulpinoidea</i>	H	OBL	15.		
8. <i>Scirpus atrovirens</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>85%</u>					
Remarks: <u>old "clear cut" area</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): <u>6"</u> Depth to Saturated Soil (in.): <u>surface</u>	
Remarks:	

Date: 7/28/06  
 Community ID: WETLAND  
 Plot ID: AR1036-A-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	AP	2.5YR 2.5/1	7.5YR 3/3	2%	Sandy loam
10-16+	B	2.5YR 6/2	2.5YR 5/6 2.5YR 6/1	5%	↓

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>7-28-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1036-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>35</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer saccharum</i>	T	FACU-	9.		
2. <i>Acer rubrum</i>	SH	FAC	10.		
3. <i>Acer spicatum</i>	SH	FACU-	11.		
4. <i>Fraxinus americana</i>	SH	FACU	12.		
5. <i>Choke cherry</i>	SH	FACU	13.		
6. <i>Solidago rugosa</i>	T	FAC	14.		
7. <i>Solidago gigantea</i>	T	FACW	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>43%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>None</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7/28/06  
 Community ID: UPLAND  
 Plot ID: AR1036A-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	NONE	—	SANDY LOAM
6-12	B	10YR 3/4	NONE	—	SANDY LOAM

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: EXTREMELY ROCKY / BEDROCK @ 12"

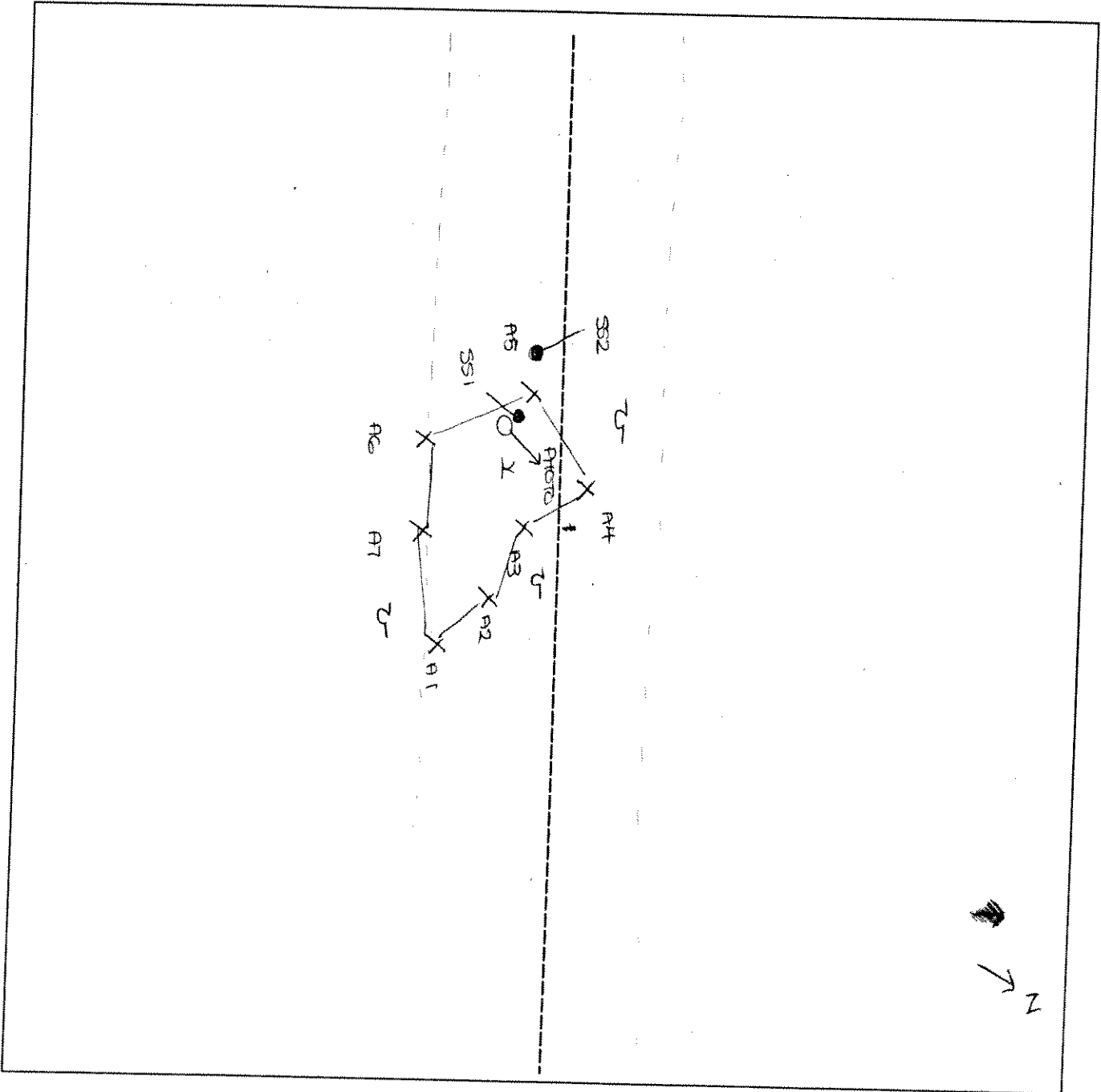
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1036A	<b>Date:</b> 7/28/00	<b>Time:</b>
<b>Intials of Delineators:</b> BQ / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO FACING NORTHEAST		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>7-28-0</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>see remarks</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 1031-B-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>15</i>	Herb: <i>95</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex scoparia</i>	H	OBL	9. <i>Juncus sp.</i>	H	OBL
2. <i>Carex vulpinoidea</i>	H	OBL	10. <i>Juncus latifolius</i>	H	OBL
3. <i>Carex lasiocarpa</i>	H	OBL	11. ARROWLEAF BARTONIA	V	OBL
4. <i>Bouteloua</i>	H	FACW+	12. ELYCHORIS	H	OBL
5. <i>Timothy</i>	H	FACU	13.		
6. <i>Scirpus atrocaryophyllus</i>	H	OBL	14.		
7. <i>Salix rugosa</i>	SH	FACW+	15.		
8. <i>Willow sp.</i>	SH	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>92%</i>					
Remarks: <i>- recently mowed field, veg still identifiable</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0-2"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 7-28-06  
 Community ID: wetland  
 Plot ID:

ATC 1037-B-551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	AP	2.5Y 2.5/1	7.5YR 3/3	5% 10	sandy loam
15-18+	B	2.5Y 4/2	2.5Y 6/1	75% 10	COARSE loamy sand
			10YR 4/6		

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks  
 - Dec is maintained field essentially cut out of large PSS wetland area (alder) as evident on all sides  
 - DEC wetland



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>7-28-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input checked="" type="radio"/> <i>see Remarks</i> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1037-B-SSR</i>	

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>100</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Claytonia (T. repens)</i>	H	FACU	9.		
2. <i>Plantago major</i>	H	FACU	10.		
3. <i>Vilca sativa</i>	H	FACU	11.		
4. <i>Varrow</i>	H	FACU	12.		
5. <i>late goldenrod (S. gigantea)</i>	H	FACW	13.		
6. <i>Rough goldenrod</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>Recently Mowed field, veg still identifiable</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>None</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>None observed</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-28-06  
 Community ID: vpland  
 Plot ID: AR 1037-B-SS 2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-18	A <sub>2</sub>	10YR 7/2	none	—	very loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

extremely stony/shallow bedrock, can't get below ~ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQ</i>	Date: <i>7-28-03</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR1037-6-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>25</i>	Herb: <i>100</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex scoparia</i>	H	OBL	9.		
2. <i>Glyceria maxima</i>	H	OBL	10.		
3. <i>Glyceria canadensis</i>	H	OBL	11.		
4. <i>Carex vulpinaeoides</i>	H	OBL	12.		
5. <i>Boragin</i>	H	<del>FACW</del>	13.		
6. <i>Alder (A. rugosa)</i>	SH	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <span style="float: right;"><i>100%</i></span>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0-3"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>surface</i>	
Remarks:	

Date: 7-28-06  
 Community ID: Wetland  
 Plot ID: AR4037-C-551

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-16	A <sub>1</sub>	2.5Y 2.5/1	2.5YR 3/3	2%	sandy loam
16-18	B <sub>1</sub>	2.5Y 4/2	2.5Y 6/1	25%	coarse loamy sand
			2.5Y 4/6		

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQ</i>	Date: <i>7-28-06</i> County: <i>Columbia</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR1037-C-552</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Nentoso major</i>	H	FACU	9.		
2. <i>Tall Blackcup</i>	H	FACU	10.		
3. <i>Clawt (T. repens)</i>	H	FACU-	11.		
4. <i>Canada Thistle</i>	H	FACU	12.		
5. <i>Timothy</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>20%</i>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks <i>None</i></p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
Field Observations:  Depth of Surface Water (in.): <i>None observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-28-06  
 Community ID: upland  
 Plot ID:  
 AR 1037-0-557

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
10-15	A <sub>2</sub> -	10YR 5/1	none	none	

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

- Soil extremely stony, no redox in A<sub>2</sub> as in  
 adj. wet soil

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

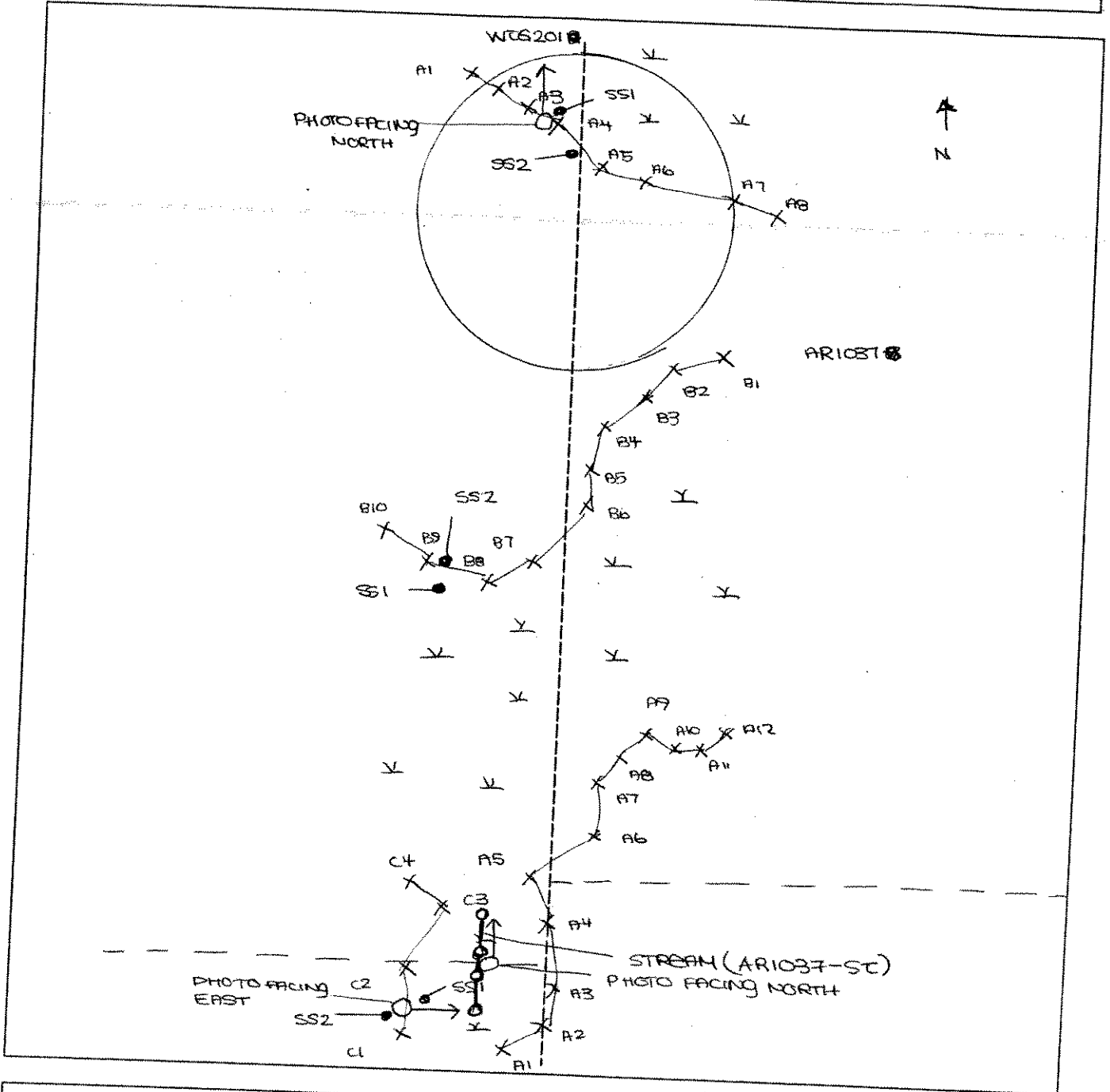
Yes  No   
 Yes  No   
 Yes  No

Is this Sample Station Point Within a Wetland? Yes  No

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> WGS 201-A ARI037-A/B/C	<b>Date:</b> 7/28/06 <b>Time:</b>
<b>Initials of Delineators:</b> EG / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b>	



Legend	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
∇	Wetland
∪	Upland
—	Stream
- - -	Intermittent Stream

5

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RAJ, SC</i>	Date: <i>8/1/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>WETLAND</i> Transect ID: <i>FR1042A</i> Plot ID: <i>SS1</i>							

**VEGETATION** *MARGINAL AREA*

*Wooded Emer/SS mix*

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: *35%* Shrub: *40%* Herb: *85%* Vine: *0*

Dominant Plant Species			Dominant Plant Species		
Stratum	Indicator		Stratum	Indicator	
<i>T/S</i>		1. <i>Red Maple</i>	9.		
<i>S</i>		2. <i>Green Ash</i>	10.		
<i>T</i>		3. <i>White Elm</i>	11.		
<i>H</i>		4. <i>Sensitive Fern</i>	12.		
<i>H</i>		5. <i>Interrupted Fern</i>	13.		
<i>H</i>		6. <i>Carex sp</i>	14.		
		7.	15.		
		8.	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: \_\_\_\_\_

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	Remarks: <i>Marginal Hydrology</i> <div style="text-align: right;"><i>H2O enters wet for field to north</i></div> <div style="text-align: center;"><i>8-16 very moist but not saturated</i></div>



Date: 8/1/06  
 Community ID: WETLANDS  
 Plot ID: FR1042A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 5/1	-	-	Silt, CLAY
8-16	B	10YR 5/2 (S/D) 10YR 4/2 mix	10YR 5/6	Few Fine Dist	CLAY

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

**Remarks:**

Reversal of spade at 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

**Remarks**

MARGINAL

WETLAND Dissected E7W by Stone Road

Silt, willow, rattle heads, C. cinerea along NORTH side of Stone Road  
 Dissected.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RTD, SE</u>	Date: <u>8/1/06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>Upland</u> Transect ID: <u>AR1042A</u> Plot ID: <u>SS2</u>							

**VEGETATION** | wooded - young forest Decid

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>70%</u>	Shrub: <u>10%</u>	Herb: <u>80%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T	B/H FAC	9. Club moss	H	
2. Q. prin	T	B/H	10. Hawkweed	H	
3. Sensible fern	H		11.		
4. Bush hony	H		12.		
5. Brambles	H		13.		
6. Blackberry	H		14.		
7. Arrow sp	H		15.		
8. Com. Violet	H		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: Scattered B. Fir

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	Remarks:

Date: 8/1/06  
 Community ID: upland  
 Plot ID: AR1042A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth  
 (Inches)

Horizon

Matrix Color  
 (Munsell Moist)

Mottle Colors  
 (Munsell Moist)

Mottles  
 Abundance/Size/  
 Contrast

Texture, Concretions,  
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14"	A	10YR3/4			10AM

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Reversal of Spade at 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes  
 Yes  
 Yes

No  
 No  
 No

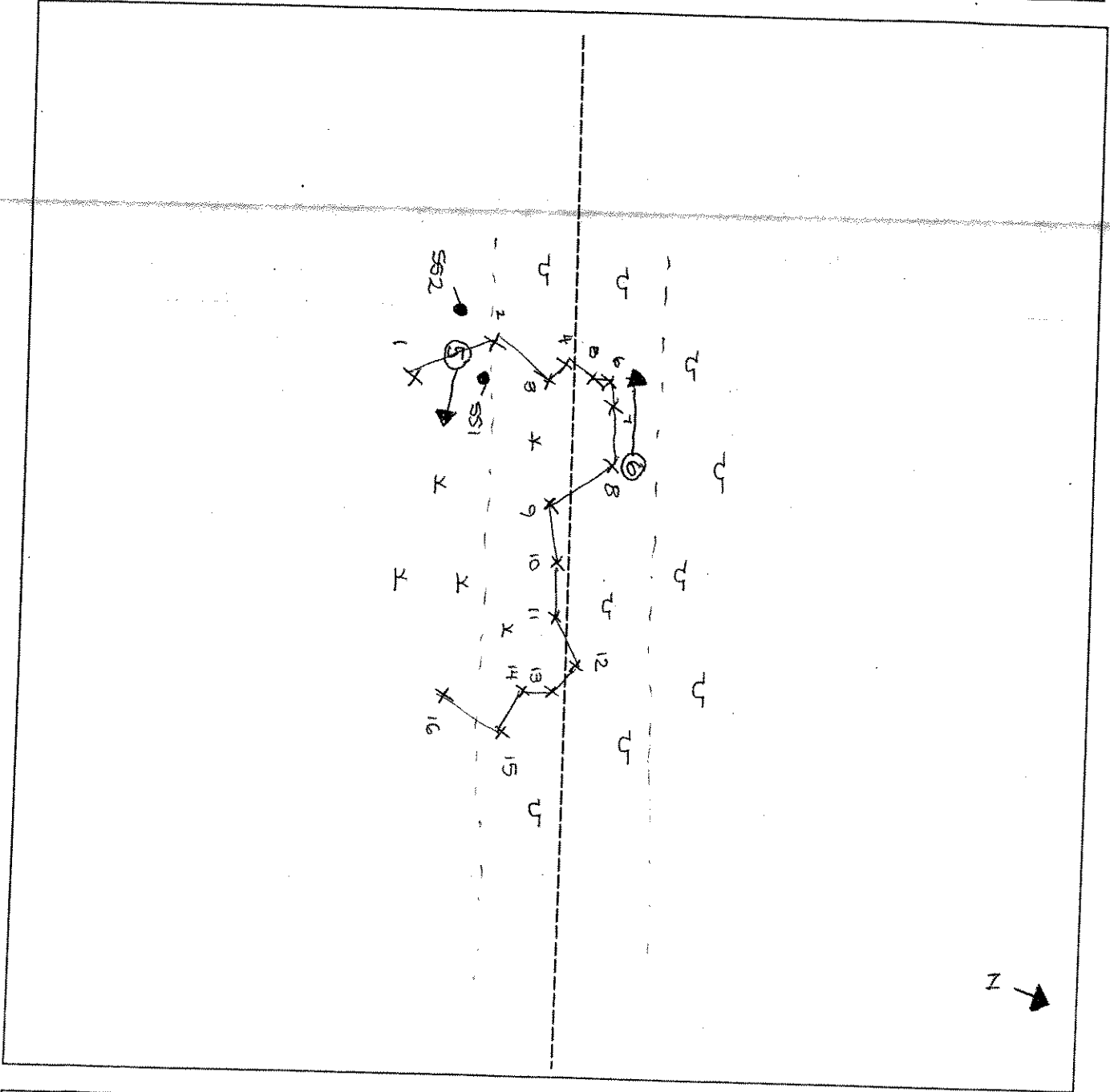
Is this Sample Station Point Within a Wetland?

Yes No

Remarks

**SKETCH FORM**

Wetland ID/Route #: AR 1042A	Date: 8/11/00	Time: AM
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO ⑤ FACING EAST PHOTO ⑥ FACING WEST	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River Wind Farm</u> Applicant/Owner: <u>MARBLE River, LLC</u> Investigator: <u>RTA, SC</u>	Date: <u>8/2/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR1044A</u> Plot ID: <u>551</u>

**VEGETATION** PFO 4

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>15%</u> Herb: <u>45%</u> Vine: <u>✓</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPRING MUD</u>	<u>H</u>		9. <u>MARSH REED</u>	<u>S</u>	
2. <u>CORN FLD.</u>	<u>H</u>		10.		
3. <u>MIXED WOODS</u>	<u>H</u>		11.		
4. <u>LOW BULLOCK</u>	<u>H</u>		12.		
5. <u>SPERM</u>	<u>H</u>		13.		
6. <u>BALSAM FLD.</u>	<u>H/S</u>		14.		
7. <u>LOW SWAMP</u>	<u>S</u>		15.		
8. <u>RED MAPLE</u>	<u>T</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>8"</u>	Remarks:

Date: 8/2/06  
 Community ID: WETLAND  
 Plot ID: AR1044A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1			LOAN
6-18	B	10YR 5/2	10YR 5/4	MANY/MEDIUM/DISTINCT	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 8/2/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLAND</i> Transect ID: <i>AR1044A</i> Plot ID: <i>552</i>							

**VEGETATION** *Conifer / Decid Mix Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>90%</i> Shrub: <i>40%</i> Herb: <i>10%</i> Vine: <i>0%</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BALSAM FIR</i>	<i>T/S</i>		9.		
2. <i>RED MAPLE</i>	<i>T/S</i>		10.		
3. <i>SP. PINE</i>	<i>T/S</i>		11.		
4. <i>SP. BEECH</i>	<i>T/S</i>		12.		
5. <i>CANADA MAYBERRY</i>	<i>H</i>		13.		
6. <i>L.D. BLUEBERRY</i>	<i>S</i>		14.		
7. <i>WOOD PINE</i>	<i>H</i>		15.		
8. <i>BURNING BUSH</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 8/2/06  
 Community ID: UPLand  
 Plot ID:

AR1044A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-8	A	10YR 2/2	—		LOAN
8-14	B	10YR 4/3	—		SILTY CLAY

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: REFUSAL OF SHOULDER AT 14 INCHES

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RTA SC</u>	Date: <u>8/2/86</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>WORMS</u> Transect ID: <u>FR10443</u> Plot ID: <u>531</u>							

**VEGETATION** PSS

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>79%</u>	Shrub: <u>30%</u>	Herb: <u>100%</u>	Vine: <u>8</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gray Birch	T		9.		
2. NW Cedar	T		10.		
3. Spotted Alder	S		11.		
4. Red Willow	S		12.		
5. Sensitive Sp.	H		13.		
6. <u>Sp. Willow</u>	H		14.		
7. <u>Sp. Willow</u>	H		15.		
8. <u>Sp. Willow</u>	S		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>At some elevation in open R.O. way</u> <u>Pleura bellina, C. cinnam, aster, more on 100' wide road</u> <u>Willows</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks: <u>NOT SATURATED BUT MOIST</u> <u>Slightly transpired</u> <u>Soil is wet to 10cm</u> <u>more deeper moisture</u> <u>Oxidized root chnl.</u> <u>High water</u>	

Date: 8/21/06  
 Community ID: WETLAND  
 Plot ID: AR1044B-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/2	—		SILTY CLAY
10-	B	10YR 5/2	—		CLAY
		10YR 4/2			

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(PDD, SC)</i>	Date: <i>8/2/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>AR10443</i> Transect ID: <i>upland</i> Plot ID: <i>552</i>

**VEGETATION** *Conifer / Decid mix upland Forest*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>95%</i> Shrub: <i>15%</i> Herb: <i>5-10%</i> Vine:			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>KANSAS PINE</i>	<i>T/S</i>		9.		
2. <i>GRAY BIRCH</i>	<i>T</i>		10.		
3. <i>HAWK WOOD</i>	<i>H</i>		11.		
4. <i>THORNAPPLE</i>	<i>H</i>		12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 8/2/06  
 Community ID: CPLANDS  
 Plot ID:

AR1044B-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	—	—	5-17 10YR 3/2

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Reposition of sample at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>T&amp;E, SC</u>	Date: <u>8/2/00</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
Community ID: <u>Wetlands</u> Transect ID: <u>PR-1055</u> Plot ID: <u>AR 10447-553</u>	

**VEGETATION** Within R.O.W. exist Acc'd (acropan)

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Urtica dioica</u>	<u>H</u>		9.		
2. <u>Galium aparine</u>	<u>H</u>		10.		
3. <u>Plantago lanceolata</u>	<u>H</u>		11.		
4. <u>Plantago lanceolata</u>	<u>H</u>		12.		
5. <u>Plantago lanceolata</u>	<u>H</u>		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks:

Date: 8/2/06  
 Community ID: WETLAND  
 Plot ID: AR1044B553

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-10	A	10YR 4/1			SILTY CLAY
10-16	B	10YR 5/3	10YR 4/6	COMMON/MEDIUM/FAINT	CLAY

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor (SLIGHT)      | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

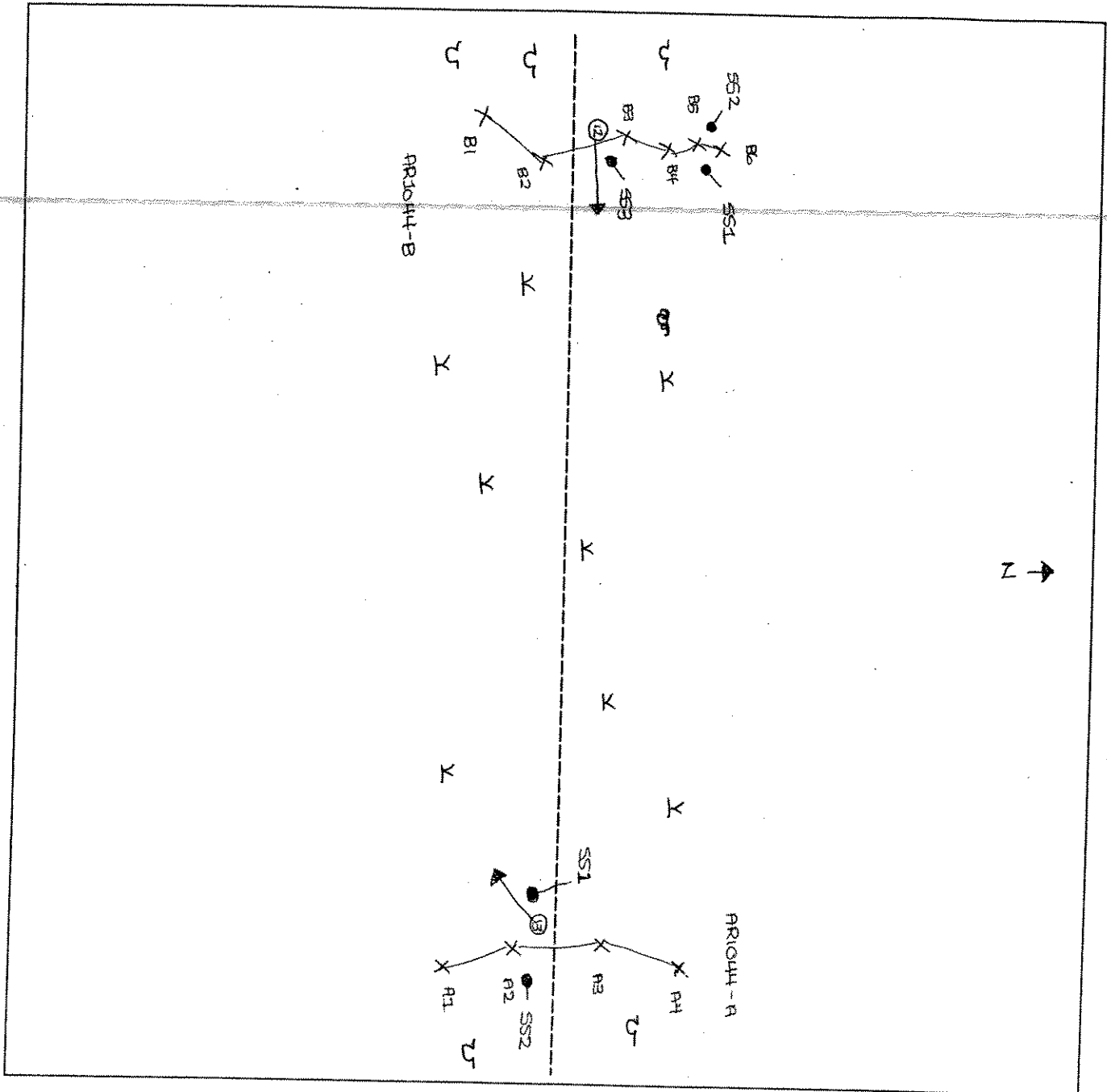
Remarks: REFUSAL OF SHOVEL AT 16 INCHES

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1044 A/B	<b>Date:</b> 8/2/06	<b>Time:</b> PM
<b>Initials of Delineators:</b> AD / SC	<b>Location:</b> HARBIE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO ② FACING EAST / PHOTO ③ FACING SOUTHWEST		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IB, JV</u>	Date: <u>9/6/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO/PEM</u> Transect ID: Plot ID: <u>AR1150 A/B/C-SS</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM</u>																	
Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>50%</u> Herb: <u>40%</u> Vine: <u>0%</u>																	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator												
1. <u>A. subrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Sphag. moss</u>	<u>H</u>	<u>OBL *</u>												
2. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10. <u>Athyrium filix-femina</u>	<u>H</u>	<u>FAC</u>												
3. <u>Nemopanthis mucronata</u>	<u>S</u>	<u>OBL</u>	11.														
4. <u>N. lenticosa</u>	<u>S</u>	<u>FAC</u>	12.														
5. <u>Cornus alterniflora</u>	<u>S</u>	<u>NI</u>	13.														
6. <u>S. alba</u>	<u>S</u>	<u>FACW</u>	14.														
7. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	15.														
8. <u>Lycopus uniflorus</u>	<u>H</u>	<u>OBL</u>	16.														
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>																	
Remarks: <u>Stem Data</u> <table style="width:100%; font-size: small;"> <tr> <td><u>S. alba - 10 5%</u></td> <td><u>Carex sp. 25%</u></td> </tr> <tr> <td><u>A. sub - 4 35%</u></td> <td><u>SH Nem muc - 7 20%</u></td> </tr> <tr> <td><u>b. pop - 1 3%</u></td> <td><u>N.b. lcnt. - 3 5%</u></td> </tr> <tr> <td><u>C. alt. - 7 5%</u></td> <td><u>H Lady Fern 3%</u></td> </tr> <tr> <td></td> <td><u>Lyc. unif. 3%</u></td> </tr> <tr> <td></td> <td><u>* Sphag Moss 20%</u></td> </tr> </table>						<u>S. alba - 10 5%</u>	<u>Carex sp. 25%</u>	<u>A. sub - 4 35%</u>	<u>SH Nem muc - 7 20%</u>	<u>b. pop - 1 3%</u>	<u>N.b. lcnt. - 3 5%</u>	<u>C. alt. - 7 5%</u>	<u>H Lady Fern 3%</u>		<u>Lyc. unif. 3%</u>		<u>* Sphag Moss 20%</u>
<u>S. alba - 10 5%</u>	<u>Carex sp. 25%</u>																
<u>A. sub - 4 35%</u>	<u>SH Nem muc - 7 20%</u>																
<u>b. pop - 1 3%</u>	<u>N.b. lcnt. - 3 5%</u>																
<u>C. alt. - 7 5%</u>	<u>H Lady Fern 3%</u>																
	<u>Lyc. unif. 3%</u>																
	<u>* Sphag Moss 20%</u>																

NI assumption

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC, TOPO</u> <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>5"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



Date: 9/6/06  
 Community ID: P63/PEM  
 Plot ID: AR 1150A/B - SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class: poor

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-7"	O	10YR 3/6	—	—	Fibric Organics
7-11"	O	10YR 8/1	—	—	Hemic
11-13"	A	2.5Y 6/2	7.5YR 5/6	common / fine / distinct	Sandy Loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input checked="" type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal @ 13"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks DEC wetland

Photo => NW

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JB JV</u>	Date: <u>9/6/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR1150 A/B/C SS2</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous Forest</u>					
Percent Canopy Cover: Tree: <u>55%</u> Shrub: <u>25%</u> Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	T	FAC	9. <u>Pteridium Aquilinum</u>	H	FACU
2. <u>B. populifolia</u>	T	FAC	10. <u>Vacc angustifolium</u>	H	FACU-
3. <u>P. serotina</u>	T	FACU	11. <u>Matteucia struthiopteris</u>	H	FACW
4. <u>B. pop.</u>	S	FAC	12. <u>Mainthemon canadense</u>	H	FAC-
5. <u>A. rub</u>	S	FAC	13.		
6. <u>P. sero</u>	S	FACU	14.		
7. <u>P. virginiana</u>	S	FACU	15.		
8. <u>Aralia nudicalis</u>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/12 = 45%</u>					
Remarks: <u>P. vir 10%</u> <u>Sac albida 20%</u> <u>CB Blu 10%</u> <u>T A. rub 5 40%</u> <u>B. pop 5%</u> <u>H Pterid 20%</u> <u>Main can 3%</u> <u>B. pop. 4 5%</u> <u>S A. rub 3%</u> <u>Agu. Fl B/</u> <u>P. sero 1 10%</u> <u>P. ser 5%</u> <u>Dist. Fern 3%</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs <u>X</u> Other <u>TOPO/DEC</u> ___ No Recorded Data Available	Wetland Hydrology Indicators: <u>NONE</u> Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: <u>NONE</u> Depth of Surface Water (in.): _____ Depth to Free Standing Water in Pit (in.): _____ Depth to Saturated Soil (in.): _____	
Remarks: _____	

Date: 9/7/06  
 Community ID: upland  
 Plot ID: AR1150 A/B - SSA

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2"	O	-	-	-	Fibric organics
2-11"	A	10YR 3/1			loam
11-15"	B	10YR 3/3			Fine Sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: 0-2" Slightly decomposed OM w/ many leaves  
 10% coarse fragments observed in soil horizons  
 Refused @ 15"

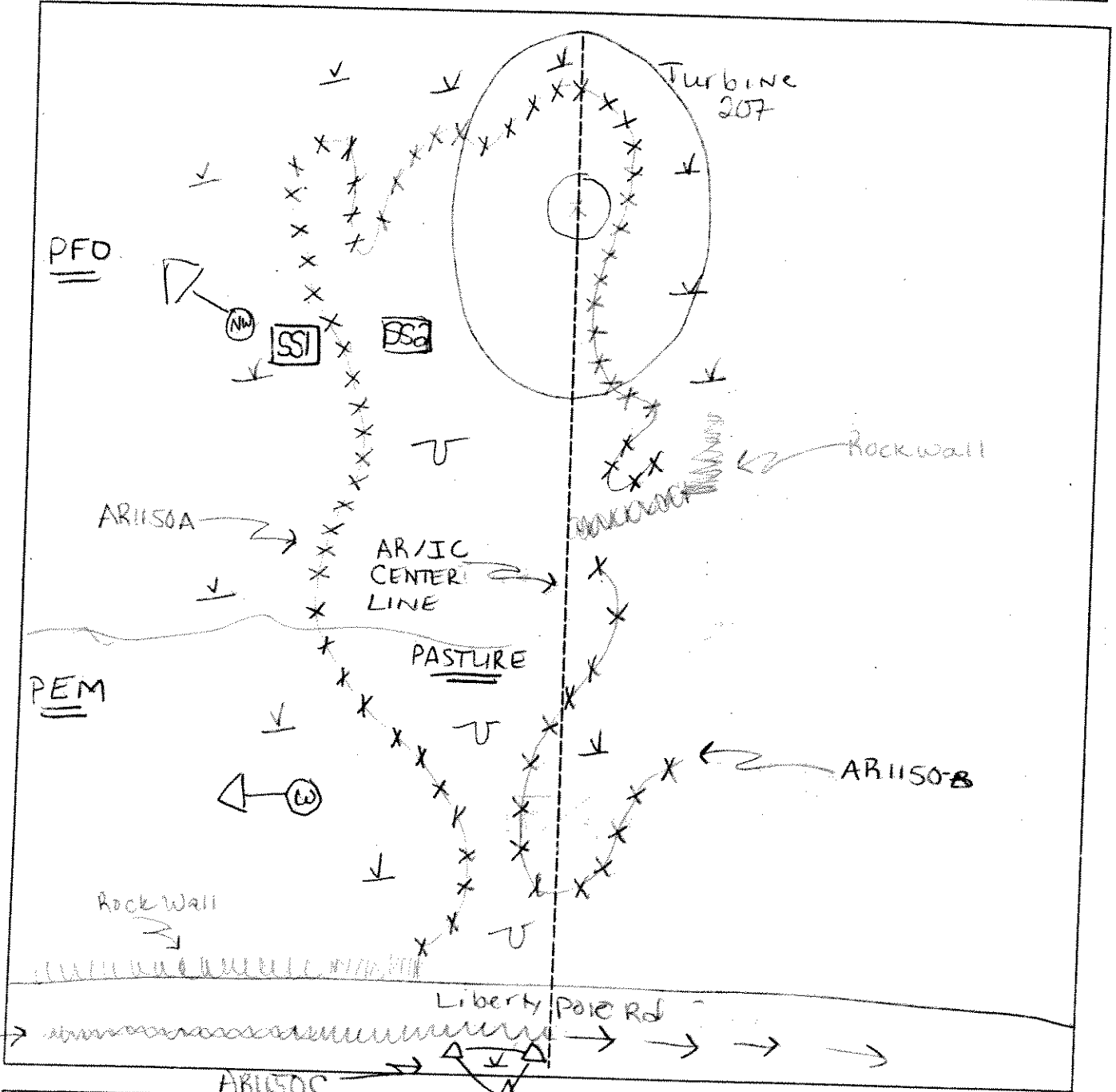
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: ARI150 A/B/C	Date: 9-6-06	Time:
Initials of Delineators: IB, JV	Location: AR/IC and turbine 207	
Roll #: PSS/PEM => W	PFO => NW	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

DEC 211

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: PSS Transect ID: Plot ID: AB1105 A SSI							

**VEGETATION**

Plant Community Classification: PSS within cow pasture					
Percent Canopy Cover: Tree: < 5 Shrub: 90 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Betula populifolia	T	FAC	9.		
2. Acer rubrum	T	FAC	10.		
3. Crack willow	H	FACW	11.		
4. Scirpus sp.	H	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: Can not find species due to season					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other * No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 5.1" in spots Depth to Free Standing Water in Pit (in.): 2" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 10 May 07  
 Community ID: Wetland  
 Plot ID: 881  
 AR1150-A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 3/1	5Y 6/3	distinct, few, fine	Clay loam
9-16	B	10YR 4/2			clay

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks: Photo 1 = NE DEC WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
Yes	No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: AR1105 A 552							

**VEGETATION**

EXT

Plant Community Classification: Ag Field					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alsike Clover	H	PRU	9.		
2. Fall Dandelion	H	UPL	10.		
3. Common Dandelion	H	UPL	11.		
4. Common Plantain	H	UPL	12.		
5. Buttercup	H	FAC	13.		
6. Red Straw	H	UPL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): < 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/16/07  
 Community ID: UPL  
 Plot ID: AR1105 A SSA

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/1			Silty clay loam
10-14	B	7.5YR 2.5/1	10YR 4/6	sparsely from many	clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: few OKs in A, earthworm in A

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes  No   
 Yes  No   
 Yes  No

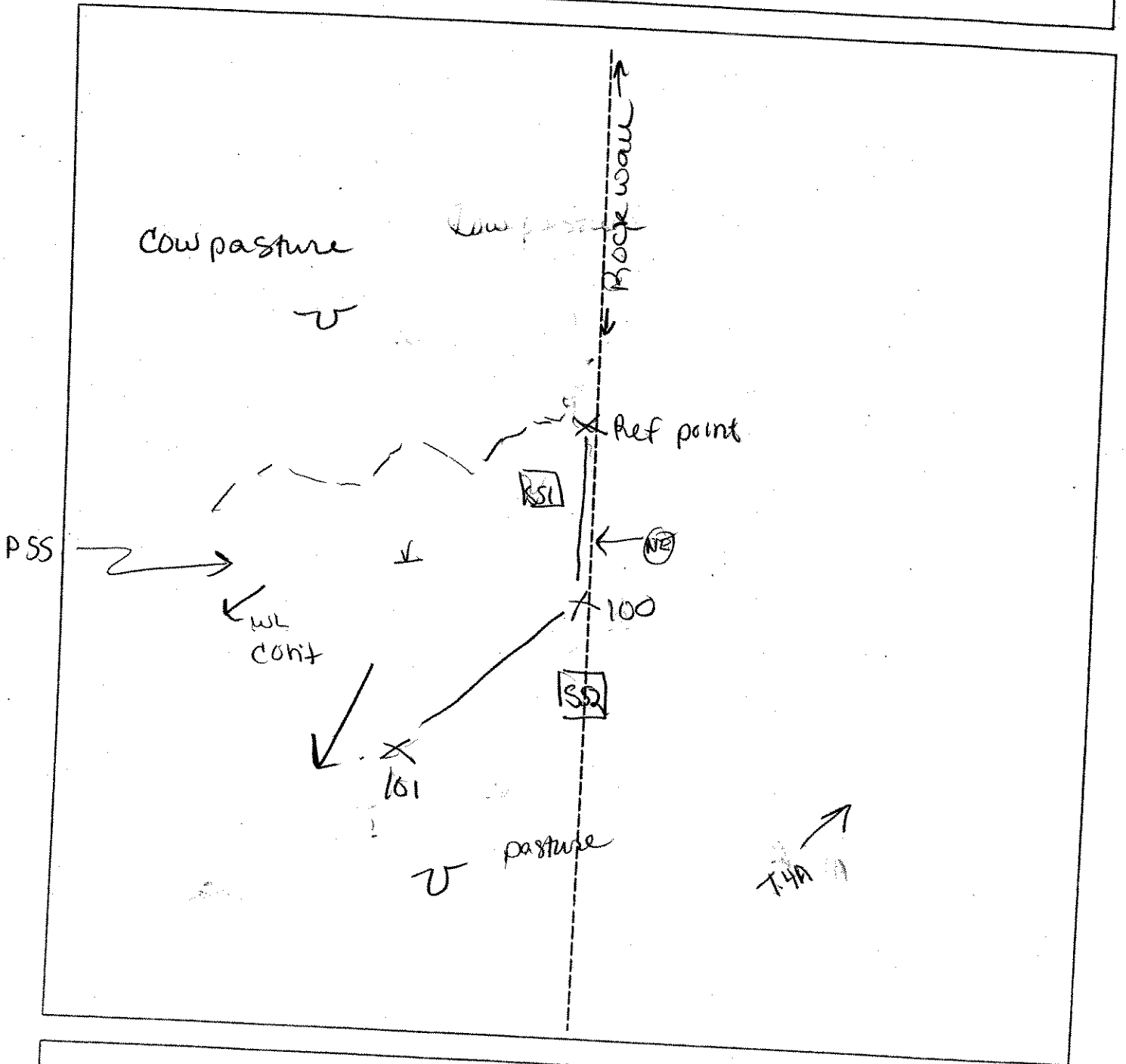
Is this Sample Station Point Within a Wetland? Yes  No

Remarks



SKETCH FORM

Wetland ID/Route #: <b>AR1105 A EXT</b>		Date: <b>5/10/07</b>	Time:
Initials of Delineators: <b>JV AP</b>		Location: <b>T. 4A</b>	
Roll #:	Frames: <b>1 = NE</b>		



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

AR1105B extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	<input type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	<input checked="" type="radio"/>								
Yes	<input type="radio"/>								
Community ID: PSS Transect ID: Plot ID: AR1105B SSI AR1305A AR1108A									

**VEGETATION**

Plant Community Classification: PSS  
Percent Canopy Cover: Tree: 45 Shrub: 05 Herb: 40 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Alnus incana	S	FACW	10.		
3. Sarcocolla	H	FAC	11.		
4. Galium aparine	H	FAC	12.		
5. Ranunculus acris	H	FAC	13.		
6. Viola sp.	F	-	14.		
7. Aphanogon moss 50%	H	OBL	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0-5" Depth to Free Standing Water in Pit (in.): NA-0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/9/07  
 Community ID: AR1105B SSI  
 Plot ID: (AR)305A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5 YR 2.5/3			
4-6	A	10 YR 2/1	10 YR 3/2	distinct, md, few	silty clay
6-10	B	10 YR 5/3	10 YR 4/3	faint, few, md.	sandy clay

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: refusal @ ≤ 10", water saturated @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks photo 6 = w  
 DEC WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: <u>AR1105B</u> Plot ID: <u>AR1305B</u> <u>SSA</u> <u>AR1108 A</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Ulmus americana</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Kalmia latifolia</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&gt; 50 %</u>					
Remarks: <u>Pinus serotina &lt; 50 %</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: AR105B 552  
 Plot ID: AR130SA

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	5YR 2.5/2			
2-12	A	10YR 2/1	7.5YR 4/1	few, distinct, fine	silty clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: ORCs on A,

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JENNIFER WEST</i>	Date: <i>8.30.06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>PSS1</i> Transect ID: Plot ID: <i>WTG 209A - SSI</i> <span style="float: right;"><i>WTG 1108A - SSI</i></span>							

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *60* Shrub: *50* Herb: *80* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Betula populifolia</i>	<i>T</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Viburnum cassinoides</i>	<i>Sh</i>	<i>FACW</i>	<i>11.</i>		
<i>4. Menyanthes minorata</i>	<i>Sh</i>	<i>Obl</i>	<i>12.</i>		
<i>5. Abies balsamea</i>	<i>Sh</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Pteridium aquilinum</i>	<i>H</i>	<i>FACU</i>	<i>14.</i>		
<i>7. Aromia melanos carpia</i>	<i>H</i>	<i>FAC</i>	<i>15.</i>		
<i>8. Vaccinium angustifolium</i>	<i>H</i>	<i>FACW</i>	<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *7/8 = 87*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks: <i>Extremely stony soils. Soil observation limited to ± 4".                  Water table assumed based on predominance of hydrophytes.</i>

Date: 2.30.06  
 Community ID:  
 Plot ID: WTG 209 A - SSI  
 WTG 1108 A - SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_

Taxonomy (SubGroup): \_\_\_\_\_

Drainage Class: *poorly drained*

Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3"	Oe	7.5YR 3/3			Hemic
3- <i>refusal</i>					

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Other (Explain in Remarks)

Remarks: *Extremely stony soils. Hydric soils assumed based on nearly level topography and hydrophytic vegetation.*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: *Determination based on predominance of hydrophytes and wetland drainage patterns*

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JENNIFER WEST</i>	Date: <i>8/30/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Deeds on project</i> Transect ID: Plot ID: <i>WTG-209A-SS2</i> <span style="float: right;"><i>WTG-1108A-SS2</i></span>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>30</i> Herb: <i>60</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Phlox pilularis</i>	14	FACU
2. <i>Betula populifolia</i>	T	FAC	10. <i>Vaccinium angustifolium</i>	4	FACU
3. <i>Populus grandidentata</i>	T	FACU	11.		
4. <i>Abies balsamea</i>	T	FAC	12.		
5. <i>Prunus serotina</i>	SH	FACU	13.		
6. <i>Viburnum cassinoides</i>	SH	FACW	14.		
7. <i>Abies balsamea</i>	SH	FAC	15.		
8. <i>Cornus canadensis</i>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/10 = 50%</i>					
Remarks: <i>mixed community of hydrophytes and upland species on extremely strong soils.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <i>none observed</i> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>Assumed seasonal water table at ± 12 inches based on lack of dominance by hydrophytes</i>	



181108

Date: 7/30/06  
Community ID: Deciduous forest  
Plot ID: WTG 209A - SS2  
WTG 1109A - SS2

**SOILS**

Map Unit Name (Series and Phase):  
Taxonomy (SubGroup):  
Drainage Class: Somewhat poorly  
Field Observations  
Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2"	Do	10YR 2/1			HEMIC
2"	refusal				

Hydro Soil Indicators *none based*

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Extremely stony soils. Assumed non-hydric based on vegetation.*

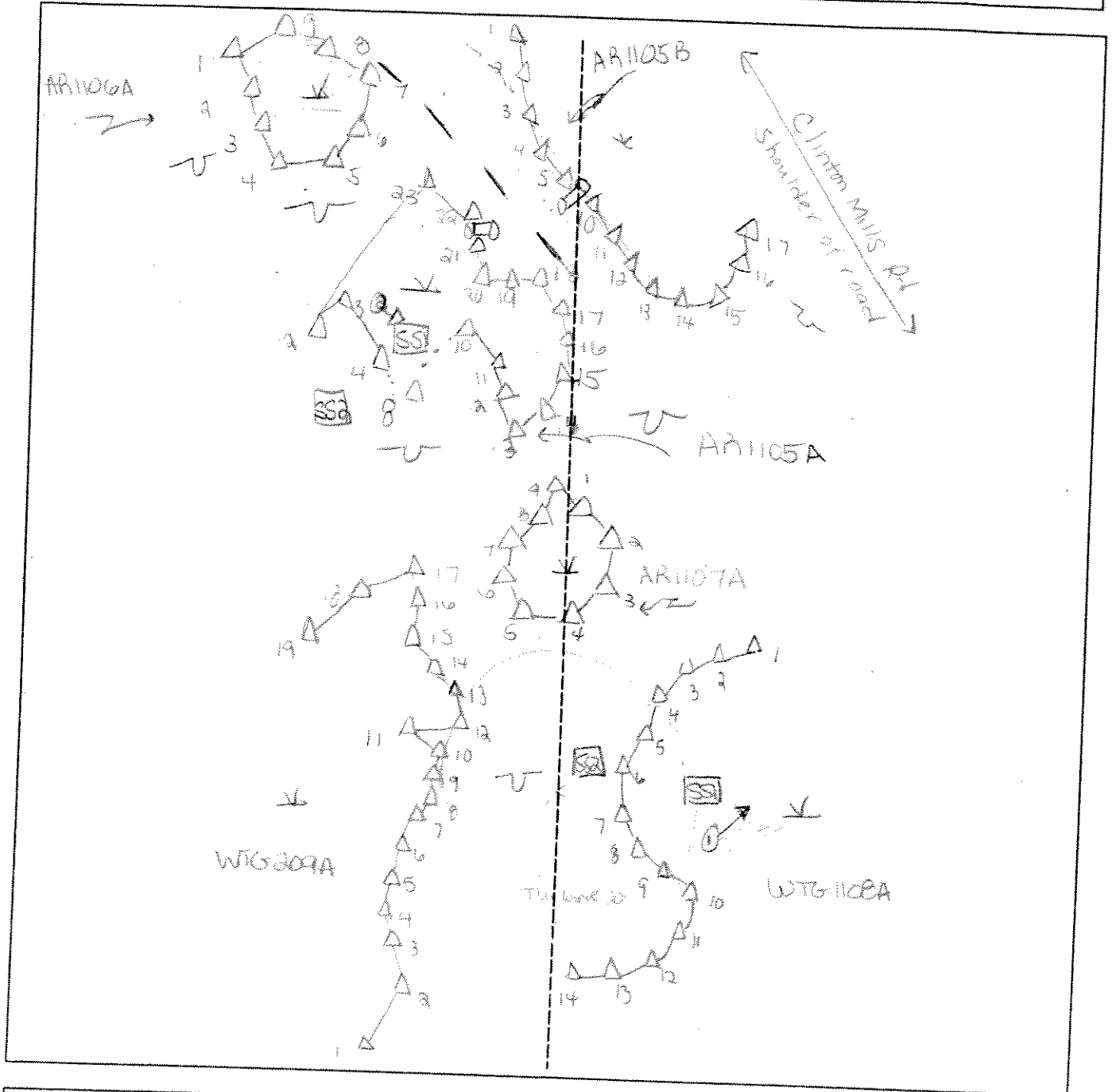
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks *Problem area as soils are extremely stony and unable to observe soils for hydric morphology and seasonal water table indicators. Determination based on vegetation*

SKETCH FORM

Wetland ID/Route #: WIG 309, AR1105A, AR1106A, AR1107A		Date: 8-31-06	Time:
Initials of Delineators: JN, JV		Location: AR + TUNING 309	
Roll #: 1-E	Frames: 2-S		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR1108A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Community ID: <u>PSS</u> Transect ID: Plot ID: <u>AR1105B SSI</u> <u>AR1305A</u>									

**VEGETATION**

Plant Community Classification: PSS  
Percent Canopy Cover: Tree: 45 Shrub: 05 Herb: 40 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Alnus rugosa</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Spiraea latifolia</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Rubus angustifolia</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Viola sp.</u>	<u>F</u>	<u>-</u>	14.		
7. <u>Sphagnum moss</u> (50%)	<u>H</u>	<u>OBL</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)</p>
<p>Field Observations: Depth of Surface Water (in.): <u>0 - 5"</u> Depth to Free Standing Water in Pit (in.): <u>NA - 0"</u> Depth to Saturated Soil (in.): <u>0"</u></p>	
Remarks:	

Date: 5/9/07  
 Community ID: AR1105B 587  
 Plot ID: AR1305A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR 2.5/3			
4-6	A	10YR 2/1	10YR 5/2	distinct, md, few	silty clay
6-10	B	10YR 5/3	10YR 4/3	faint, few, md.	sandy clay

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: refusal @ ≤ 10", water saturated @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks photo 60 = wet  
 DEC WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: <i>JV AP</i>	Date: <i>5/19/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>UPL</i> Transect ID: <i>AR1105B</i> Plot ID: <i>AR1305B</i> <i>SSA</i> <div style="text-align: right;"><i>AR1108A</i> EXT</div>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Betula populifolia</i>	<i>T</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Ostrya virginiana</i>	<i>T</i>	<i>FAC</i>	<i>11.</i>		
<i>4. V. nummularia</i>	<i>S</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Kalmia latifolia</i>	<i>H</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Aquaticum canadense</i>	<i>H</i>	<i>FAC</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>&gt; 50%</i>					
Remarks: <i>Prunus serotina &lt; 20%</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: AR105B 552  
 Plot ID: AR1305A

**SOILS**

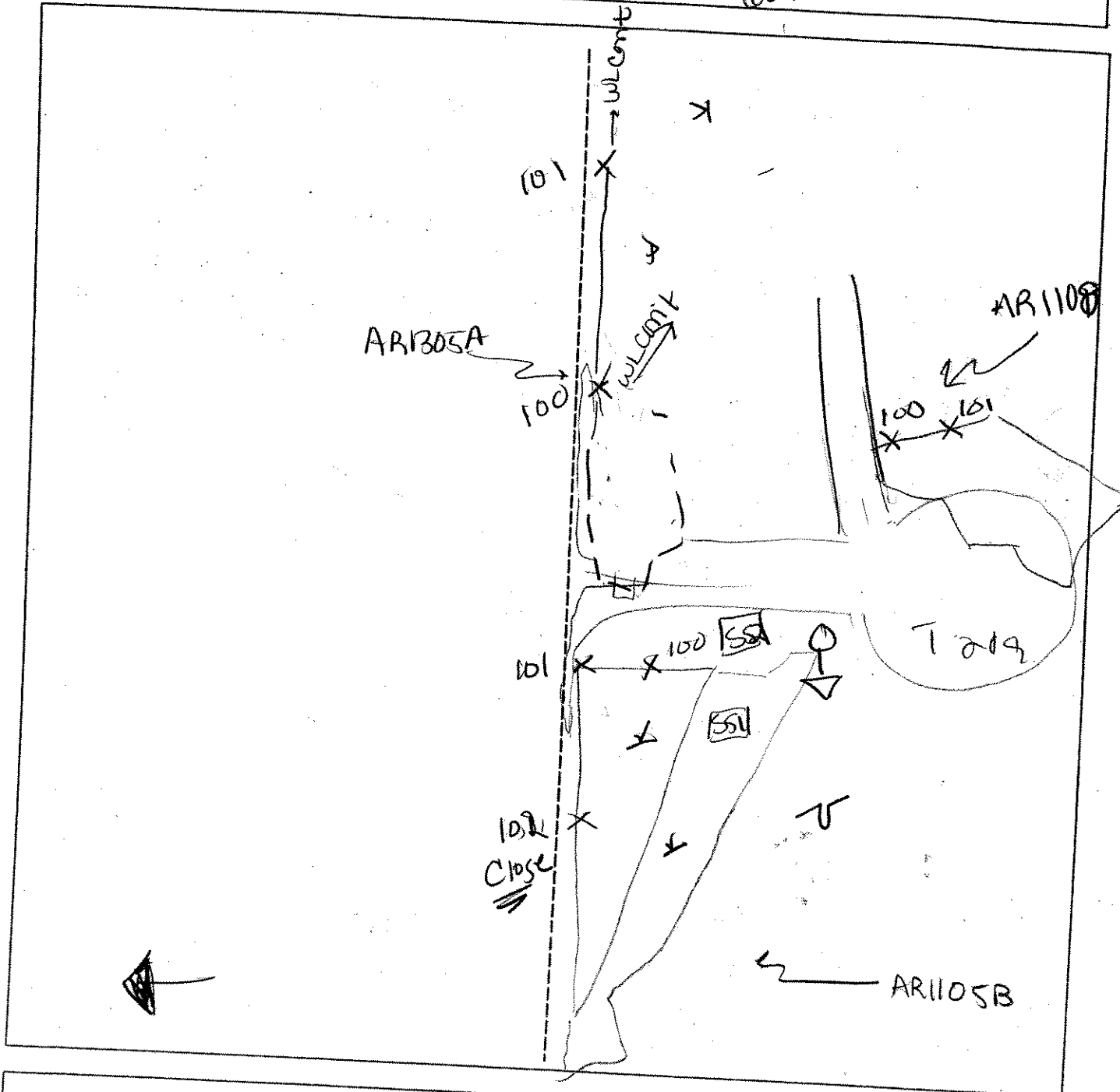
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2 2-12	O A	5YR 2.5/2 10YR 2/1	7.5YR 4/1	few, distinct, fine	silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: ORCs on A,					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes Yes Yes	No No No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?			
Hydric Soils Present?			
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AR1108 A EXTENSION</b>		Date: <b>5/9/07</b>	Time:
Initials of Delineators: <b>JV AP</b>		Location: <b>T 209</b>	
Roll #:	Frames:	<b>102W</b>	



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD / SSC	Date: 8/2/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;">Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: ARI08A Plot ID: 53

**VEGETATION**    PRO 1 / PSS / S11    SPHAENUM WETLAND W/ SCATTERED BALSAM FIR

Plant Community Classification:					
Percent Canopy Cover:    Tree: 30    Shrub: 75    Herb: 5    Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ACER RUBRUM	S, H	FAC	9.		
2. BETULA POPULIFOLIA	S	FAC	10.		
3. KALMIA ANGSTIFOLIA	S	FAC	11.		
4. LOW BUSH BLUEBERRY	S	FACU-	12.		
5. SARRAEN LATIFOLIA	S	FAC+	13.		
6. ABIES BALSAMEA	S	FAC	14.		
7. VIBURNUM ANTAGO	S	FAC	15.		
8. SERVICABERRY	S	FAC-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):    7/9 = 78%					
Remarks:    SPHAENUM MOSS COVER - 80%					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):    N/A  Depth to Free Standing Water in Pit (in.):    6"  Depth to Saturated Soil (in.):    0" - SURFACE	
Remarks:    SPHAENUM MOSS	



Date: 8/21/2007  
 Community ID: ARI08A  
 Plot ID: SS3

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	5YR 2.5/2			ORGANIC SPHAGNUM MAT /PEAT
6-12	A	10YR 2/1			SILT LOAM W/Organics
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
0774 (#1) ⇒ SW			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD / SSC	Date: 8/21/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: ARI08A Plot ID: 54

**VEGETATION** UPLAND DECIDUOUS FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: 75 Shrub: 30 Herb: 65 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ACER RUBRUM	T, S, H	FAC	9. VIBURNUM LENTAGO	S	FAC
2. BETULA POPULIFOLIA	T, S	FAC	10.		
3. POPULUS TRACHULOIDES	T	FACU	11.		
4. ABIES MILANEA	S	FAC	12.		
5. LOW BUSH BLUEBERRY	S	FACU-	13.		
6. CORNUS CANADENSIS	H	FAC-	14.		
7. NATANTHEMUM CANADENSE	H	FAC-	15.		
8. TREE LIKE CLUB MOSS	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 7/12 = 58%					
Remarks: SCATTERED PRUNUS SCROTORINA 3-LEAVED SOLOMON SEAL					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 8/2/2007  
 Community ID: UPLAND  
 Plot ID: ARI108A-SS4

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/2			ORGANIC
2-4	A	10YR 2/1			SILT LOAM w/ORGANICS
4-6	E/B	10.4R 6/1			SAND

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

Revised of Aqa at 6'  
 Stony soil

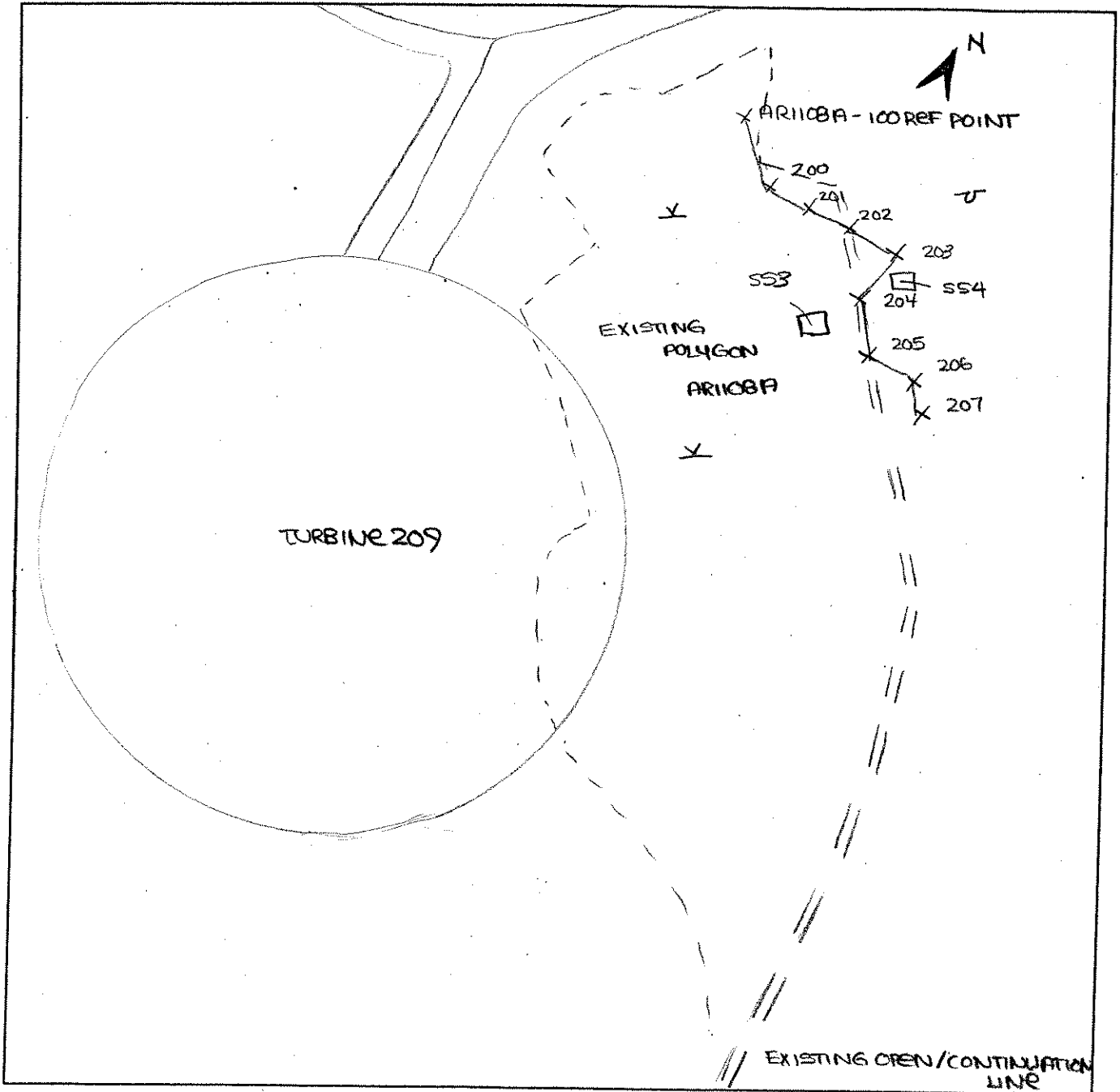
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	
Hydric Soils Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	

**Remarks**

### SKETCH FORM

<b>Wetland ID/Route #:</b> #ARI108A	<b>Date:</b> 8/2/2007	<b>Time:</b>
<b>Initials of Delineators:</b> RJD / SSC	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▽	Flag
X	Wetland
U	Upland
=	Stream
- . -	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>FB JV</i>	Date: <i>9/7/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR1151 SSI S52</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Rep plot, Refer to AR80</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:  <i>Rep plot, refer to AR80</i>	

Date: 9/7/06  
 Community ID:  
 Plot ID: AR1151 SSI  
 SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

Rep plot, Refer to AR80

**WETLAND DETERMINATION**

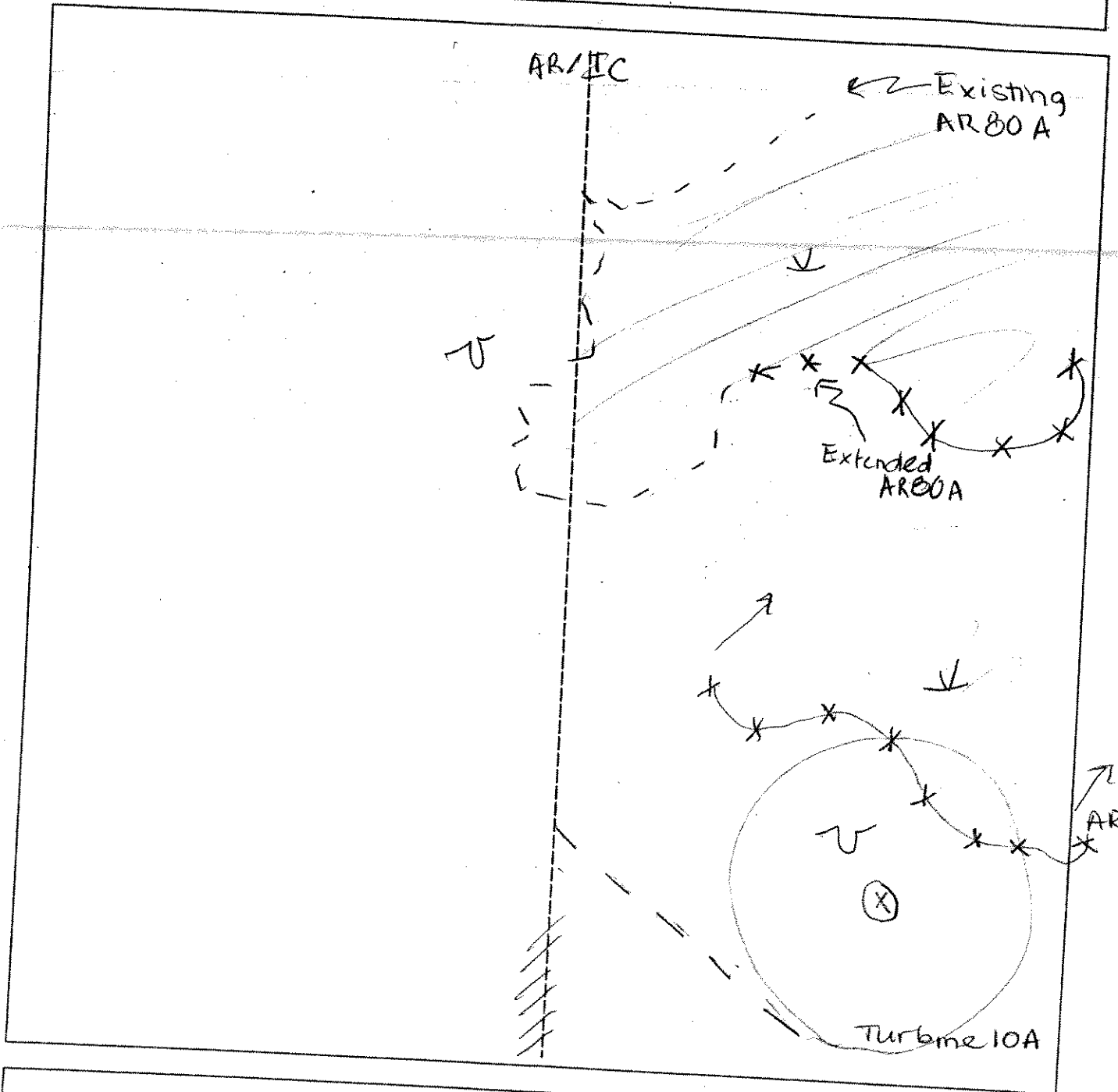
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Rep plot, Refer to AR80

SKETCH FORM

Wetland ID/Route #: AR80A / AR1151A		Date: 9-7-06	Time:
Initials of Delineators: IB, JV		Location: AR to turbine 10A	
Roll #:	Frames:		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BR</u>	Date: <u>9/25/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? (If needed, explain on reverse.)	Community ID: <u>P40</u> Transect ID: Plot ID: <u>R2 1275 BB 501</u>

**VEGETATION**

*\* Disturbed by logging wet*

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>630</u> <sup>500</sup> Shrub: <u>38</u> Herb: <u>38</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aspen</u>	<u>Tree</u>	<u>FACU</u>	9.		
2. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>red maple</u>	<u>Tree</u>	<u>FAC</u>	11.		
4. <u>Nannyberry</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Wht. Aster</u>	<u>Herb</u>	<u>FAC</u>	13.		
6. <u>Brodiaea</u>	<u>Herb</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>9/16 = 60</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt;14"</u> Depth to Saturated Soil (in.): <u>&gt;14"</u>	
Remarks:	



Date: 9/25/06  
 Community ID: WCT  
 Plot ID:  
 P21275 BB SS1

**SOILS**

Map Unit Name  
 (Series and Phase): N/A

Drainage Class: PD

Taxonomy (SubGroup): N/A

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-8	Ap	10YR 2/1	none	none	fine
8-14"	Bw1	10YR 2.5/1	none	none	fine

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:  
 rocky

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BP</i>	Date: 9/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? * <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? (If needed, explain on reverse.)	Community ID: <i>AFO</i> Transect ID: Plot ID: <i>A21275 B10 Series 452</i>

**VEGETATION**

*\* Disturbed by Logging*

*Upland*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>63</i> <sup><i>Sap/</i></sup> Shrub: <i>380</i> Herb: <i>380</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aspen</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Red maple</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Aspen</i>	<i>Sap.</i>	<i>FACW</i>	11.		
4. <i>Red maple</i>	<i>Sap</i>	<i>FAC</i>	12.		
5. <i>Broadleaf Fern</i>	<i>Herb</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/5 = 40*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>312"</i> Depth to Saturated Soil (in.): <i>312"</i>	
Remarks:	

Date: 9/25/06  
 Community ID: 280  
 Plot ID:

D2 1275 BB 952  
 46

**SOILS**

Map Unit Name  
 (Series and Phase): N/K

Drainage Class: WD

Taxonomy (SubGroup): N/K

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	AD	10YR 3/2	None	None	Fe <sub>2</sub> O <sub>3</sub>
8-12	Bw <sub>1</sub>	9.5Y 2/6	None	None	Fe <sub>2</sub> O <sub>3</sub>

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Rocky

**WETLAND DETERMINATION**

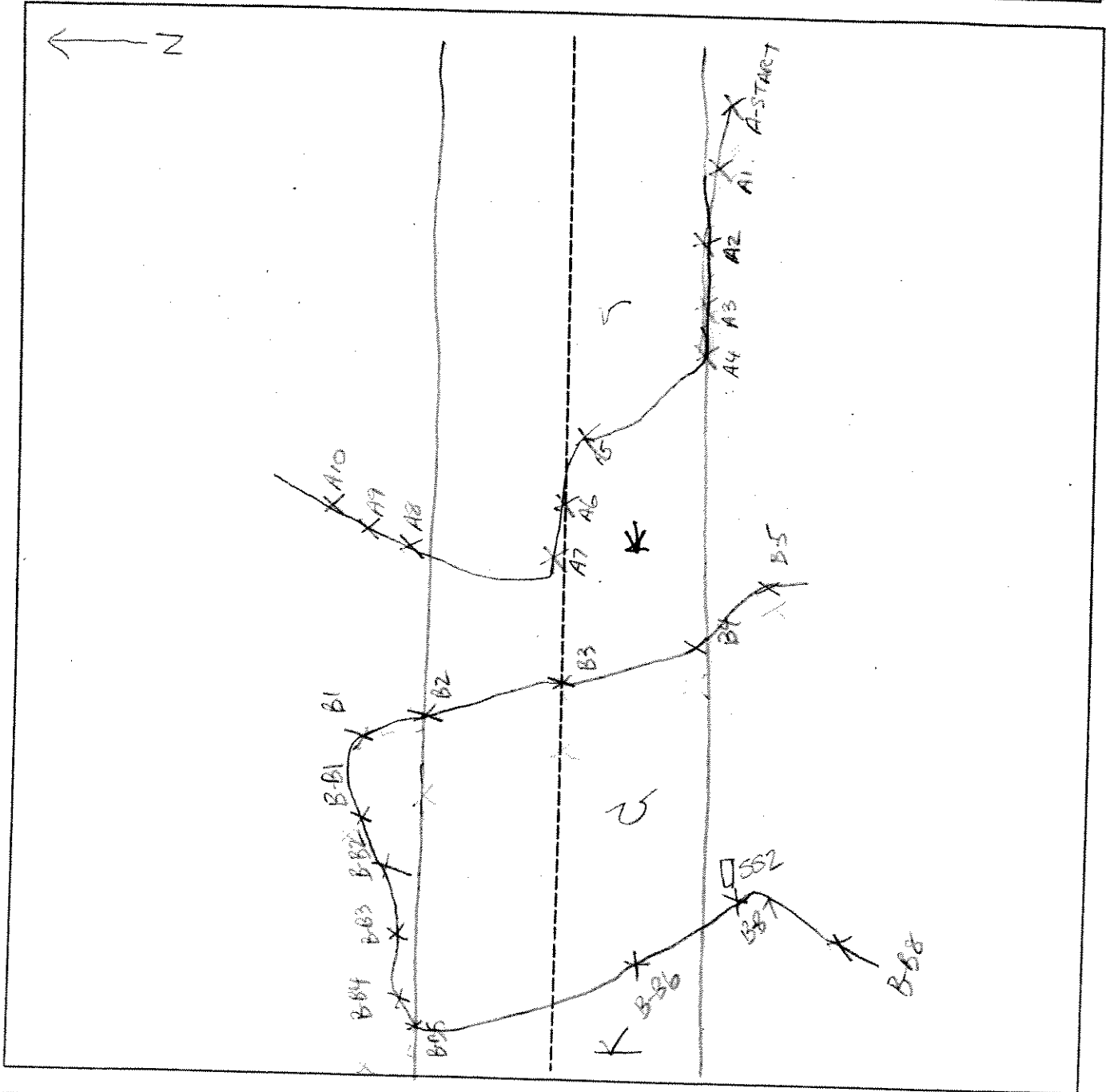
Hydrophytic Vegetation Present? Yes  No  
 Wetlands Hydrology Present? Yes  No  
 Hydric Soils Present? Yes  No

Is this Sample Station Point Within a Wetland? Yes  No

Remarks

SKETCH FORM

Wetland ID/Route #: AR1275A & B/BB	Date: 9/25/06	Time:
Initials of Delineators: GO & BE	Location:	
Roll #:	Frames:	



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream



Date: 10/11/06  
 Community ID:  
 Plot ID: AR1307 A SSI  
 S82

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

**Remarks:**

Rep plot; Ref AR209-A

**WETLAND DETERMINATION**

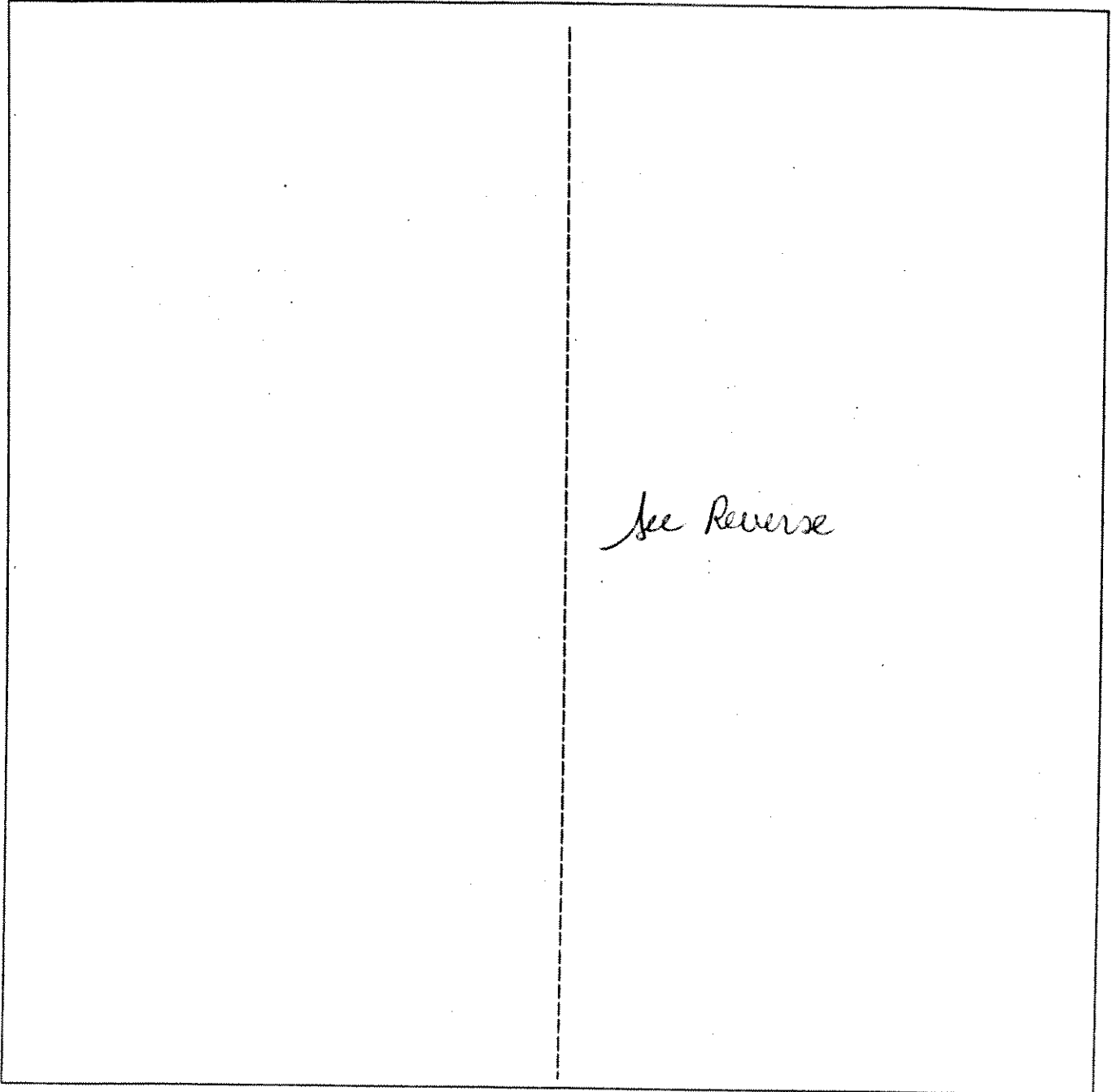
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	










Remarks ~~This wetland is not~~ observed water intermittent stream flow from pond to N of AR. Hydric soils observed along with hydrological features.

Rep plot; Ref AR209-A photo => N

SKETCH FORM

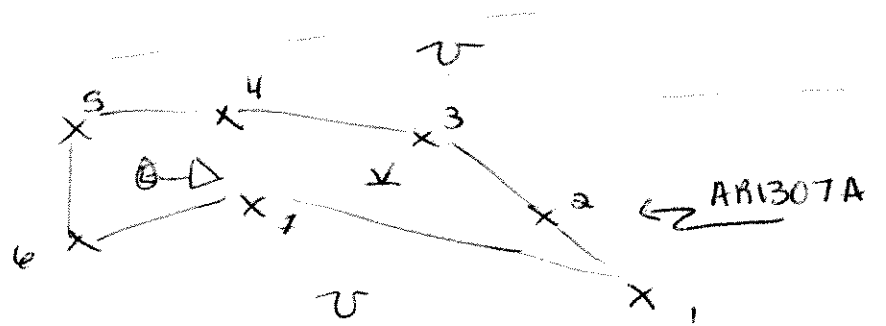
Wetland ID/Route #: AR1307A	Date: 10/11/06	Time: 1900
Initials of Delineators: JB JV	Location: AR E OF T-155	
Roll #:	Frames:	



<b>Legend</b>	
 Photo Location/Direction	 Wetland
 Sample Station	 Upland 
 Centerline	 Stream
 Flag	 Intermittent Stream

Pond + AR 209-A

Existing AR





**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CANTON NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK</u>	Date: <u>10/20/05</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
Community ID: <u>WETLAND</u> Transect ID: <u>AR 209A</u> Plot ID: <u>SS 1A</u>	

**VEGETATION** EMERGENT WETLAND - PEM

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>2%</u>	Shrub: <u>4%</u>	Herb: <u>80%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>T. LINCUS EFFUSUS</u>	<u>H</u>	<u>FACW</u>	9. <u>REE CUTGRASS</u>	<u>H</u>	<u>OBL</u>
2. <u>STEEPLE BUSH</u>	<u>H S</u>	<u>FACW</u>	10.		
3. <u>WEE GRASS</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>FRINGSNAIL GRASS</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>MARSHMALLOW</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>SAGNUM MOSS</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>1'</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	Remarks:

ID:

**SOILS**

Map Unit Name **AR209A-SS1A** Drainage Class: **PEM**  
 (Series and Phase):  
 Taxonomy (SubGroup): Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
(Inches)					
0-1	O	10YR 2/1	NONE	—	<del>SANDY</del> SANDY CLAY
1-6	A	10YR 3/2	NONE	—	

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: **USER REFUSAL @ 6"**  
**0" TO WATER**

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLENTON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/08</u> County: <u>CLENTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR 209A</u> Plot ID: <u>SS2A</u>

**VEGETATION**

DECIDUOUS FOREST / MED-SUCCESSOR

Plant Community Classification:

Percent Canopy Cover: Tree: 90% Shrub: 0 Herb: 10% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>YELLOW BIRCH</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>RED WATTLE</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>GREY BIRCH</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>BRACKEN FERN</u>	<u>A</u>	<u>TACV</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75%

Remarks:

**HYDROLOGY**

- Recorded Data (Describe in Remarks):
- Stream, Lake, or Tide Gauge
- Aerial Photographs
- Other
- No Recorded Data Available

Field Observations:

Depth of Surface Water (in.): NA  
 Depth to Free Standing Water in Pit (in.): NA  
 Depth to Saturated Soil (in.): NA

Wetland Hydrology Indicators:

- Primary Indicators:
- Inundated
  - Saturated in upper 12 inches
  - Water Marks
  - Drift lines
  - Sediment Deposits
  - Drainage Patterns In Wetlands
- Secondary Indicators (2 or more required):
- Oxidized Root Channels in Upper 12 inches
  - Water-Stained Leaves
  - Local Soil Survey Data
  - FAC-Neutral Test
  - Other (Explain in Remarks)

Remarks:

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
(Inches)					
0-10	A	10YR 3/4	NONE		SANDY LOAM
6-14	B	10YR 2/1	10YR 6/2	MANY LARGE ROOTS	SANDY LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Auger Refusal @ 124*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes	<input type="radio"/> No	(Circle)
Wetlands Hydrology Present?	Yes	<input type="radio"/> No		Is this an Isolated Wetland?	Yes	<input type="radio"/> No	
Hydric Soils Present?	Yes	<input type="radio"/> No					

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLETON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/29/05</u> County: <u>CLINTON</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input type="radio"/> No						
Community ID: <u>WETLAND</u> Transect ID: <u>AK209A</u> Plot ID: <u>551 B</u>							

**VEGETATION WETLAND PERMFOI**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>10%</u>	Shrub: <u>5%</u>	Herb: <u>85%</u>	Vine: <u>0</u>
Dominant Plant Species					
	Stratum	Indicator		Stratum	Indicator
1. <u>RATTLESNAKE GRASS</u>	<u>H</u>	<u>OBL</u>	9. <u>JUNCUS EFFUSUS</u>	<u>FACW</u>	<u>FACW</u>
2. <u>WILD GRASS</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>MEADOW SUBST</u>	<u>S</u>	<u>OBL</u>	11.		
4. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>YELLOW BIRCH</u>	<u>T</u>	<u>FAC</u>	14.		
7. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	15.		
8. <u>SPERMATOPHYTES</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>UP TO 1' IN PLACES</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	None	—	Sandy
2-6	A	10YR 6/1	None	—	SANDY CLAY
6-12	B	5Y 1 6/5 6/4	10YR 5/6	Many/Large/Disse	CLAY LOAM

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: AUGER REFUSAL @ 12"  
 0" TO WATER

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLINTON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/08</u> County: <u>CLINTON</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <u>UPLAND</u> Transect ID: <u>AR209A</u> Plot ID: <u>852B</u>							

**VEGETATION** DECIDUOUS FOREST / MID-SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>50%</u>	Shrub: <u>5%</u>	Herb: <u>10%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	9. <u>BUNCH BERRY</u>	<u>H</u>	<u>FAC-</u>
2. <u>STRIPED MAPLE</u>	<u>S</u>	<u>FACV</u>	10.		
3. <u>POPULUS grandidentata</u>	<u>T</u>	<u>FACU-</u>	11.		
4. <u>POUGH SUEW GOLDENROD</u>	<u>H</u>	<u>F</u>	12.		
5. <u>BLACK BERRY</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>WHOLEBERRY ASTOR</u>	<u>H</u>	<u>UPL</u>	14.		
7. <u>BLACKBERRY</u>	<u>H</u>	<u>FACV</u>	15.		
8. <u>BLACKBERRY</u>	<u>H</u>	<u>FAC-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 22%

Remarks:  
\* NOT LABELED

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 8/4	None	---	SANDY LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: AUGER RETURN @ 6"  
2"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input type="radio"/>
			Is this an Isolated Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IB</u>	Date: <u>10/13/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>AR1312</u> Transect ID: <u>A</u> Plot ID: <u>SS1</u> <u>SS2</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:  <u>Rep plot, Refer to data AR938</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:  <u>Refer to AR938</u>	

Date: 10/13/06  
 Community ID:  
 Plot ID: AR1312A

SSI  
 S52

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

**Remarks:**

Refer to AR939

**WETLAND DETERMINATION**

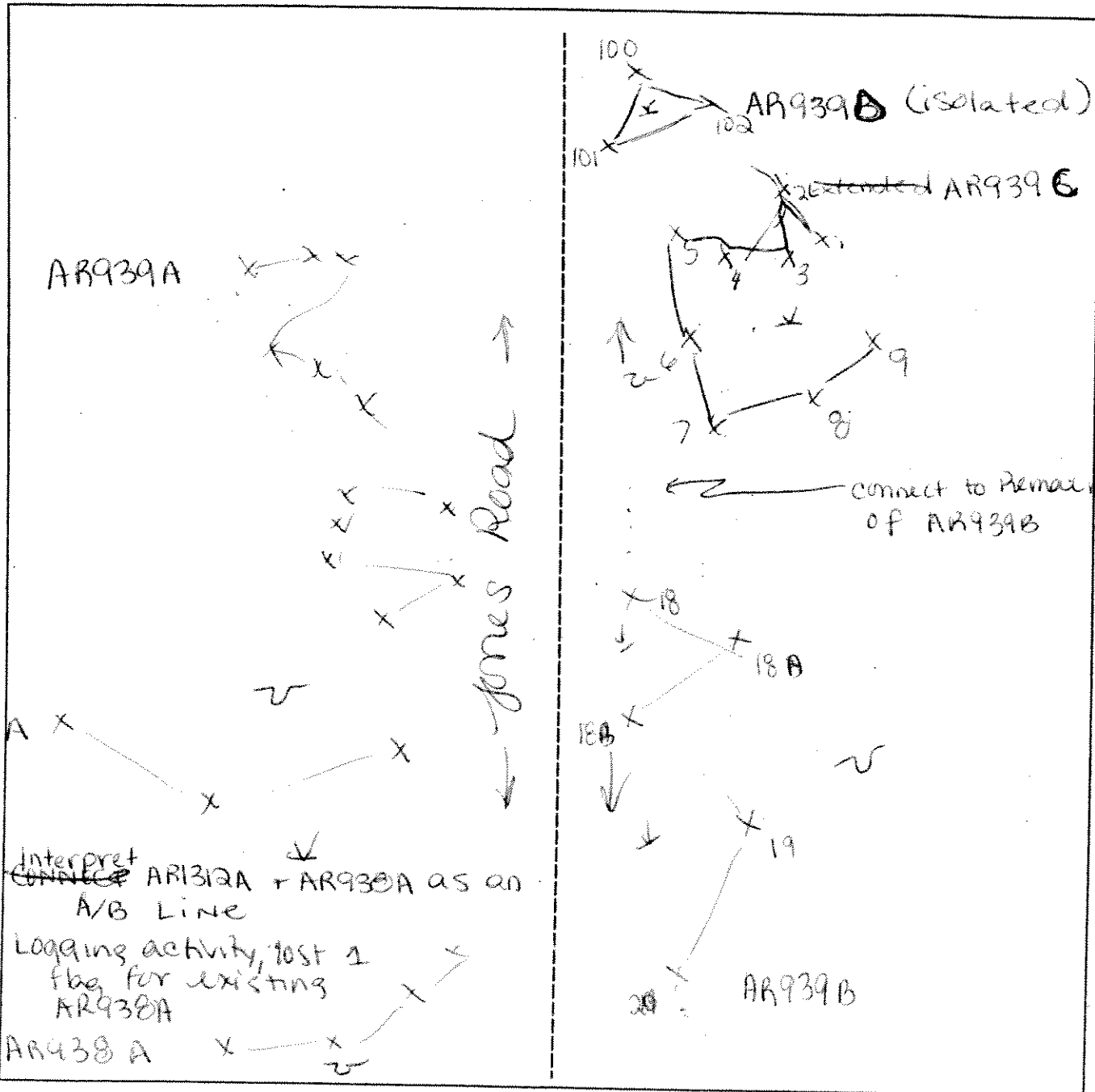
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

**Remarks**

Refer to AR939

SKETCH FORM

Wetland ID/Route #: AR939A, AR1312A + AR939B (C/D)		Date: 10/13/06	Time: 1600
Initials of Delineators: IB JV		Location: AR to +.13	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

Shared Plot w/  
AR 939 A/B  
Wetland  
801 A

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	<input type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	<input checked="" type="radio"/>								
Yes	<input type="radio"/>								
Community ID: PFO/PEM/PSE Transect ID: Plot ID: AR 939 A - Series 801									

VEGETATION

Plant Community Classification:  
Percent Canopy Cover: Tree: 63.0 Shrub: 20.5 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	1	Tree FAC	9.		
2. Gray Birch	2	Tree FAC	10.		
3. Black Spruce	3	Tree FACW	11.		
4. B/W Spruce	4	Shrub FACW	12.		
→ 5. Winterberry	5	Shrub FACW	13.		
6. Red Raspberry		Herb FAC	14.		
→ 7. Common Fern	6	Herb FAC	15.		
8. Carex Cornuta	7	Herb OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 7/8 = 87.5%

Remarks:

HYDROLOGY

<p>___ Recorded Data (Describe in Remarks):                  ___ Stream, Lake, or Tide Gauge                  ___ Aerial Photographs                  ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:                  Primary Indicators:                  ___ Inundated                  ___ Saturated  <input checked="" type="checkbox"/> Water Marks                  ___ Drift lines                  ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands                  Secondary Indicators (2 or more required):                  ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves                  ___ Local Soil survey Data                  ___ FAC-Neutral Test                  ___ Other (Explain in Remarks)</p>
<p>Field Observations:                  Depth of Surface Water (in.): 0                  Depth to Free Standing Water in Pit (in.): &gt; 14"                  Depth to Saturated Soil (in.): &gt; 14"</p>	
Remarks:	



DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

AR 939 A/B  
 Upland / Road bed  
 Shared Data pt.  
 85-2

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
	Community ID: Road Bed Transect ID: Plot ID: 85-2-Upland						

VEGETATION

AR 939

Plant Community Classification: Unvegetated Road bed  
 Percent Canopy Cover: Tree: Shrub: Herb: Vine:

Dominant Plant Species		Stratum	Indicator	Dominant Plant Species		Stratum	Indicator
1. /				9. /			
2. /				10. /			
3. /				11. /			
4. /				12. /			
5. /				13. /			
6. /				14. /			
7. /				15. /			
8. /				16. /			

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: Unvegetated road bed w/ red maple, spruce, fir, apple  
 over story

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): >12" Depth to Saturated Soil (in.): >12"	
Remarks:	

Date: 7/18/06  
 Community ID: Road bed  
 Plot ID: DR 939 - Upland 80-2

**SOILS**

Map Unit Name (Series and Phase): U/A  
 Taxonomy (SubGroup): w/m  
 Drainage Class: IWD  
 Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-12+	Fill	10YR 4/4	none	none	SC

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Road fill no redox features

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes  No  
 Wetlands Hydrology Present? Yes  No  
 Hydric Soils Present? Yes  No  
 Is this Sample Station Point Within a Wetland? Yes  No

Remarks

Shared Data Plot w/1  
 DR 939 ALB  
 wetland  
 8013

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: PFO/PSS/PBW Transect ID: Plot ID: DR 939-801							

VEGETATION

D.F. - B10 B. Green

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63.0 Shrub: 0 Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	Tree	FAC	9.		
2. Aspen	Tree	FACW	10.		
3. Grey pines	Tree	FAC	11.		
4. Sensitive fern	Tree	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/4 - D5

Remarks:

HYDROLOGY

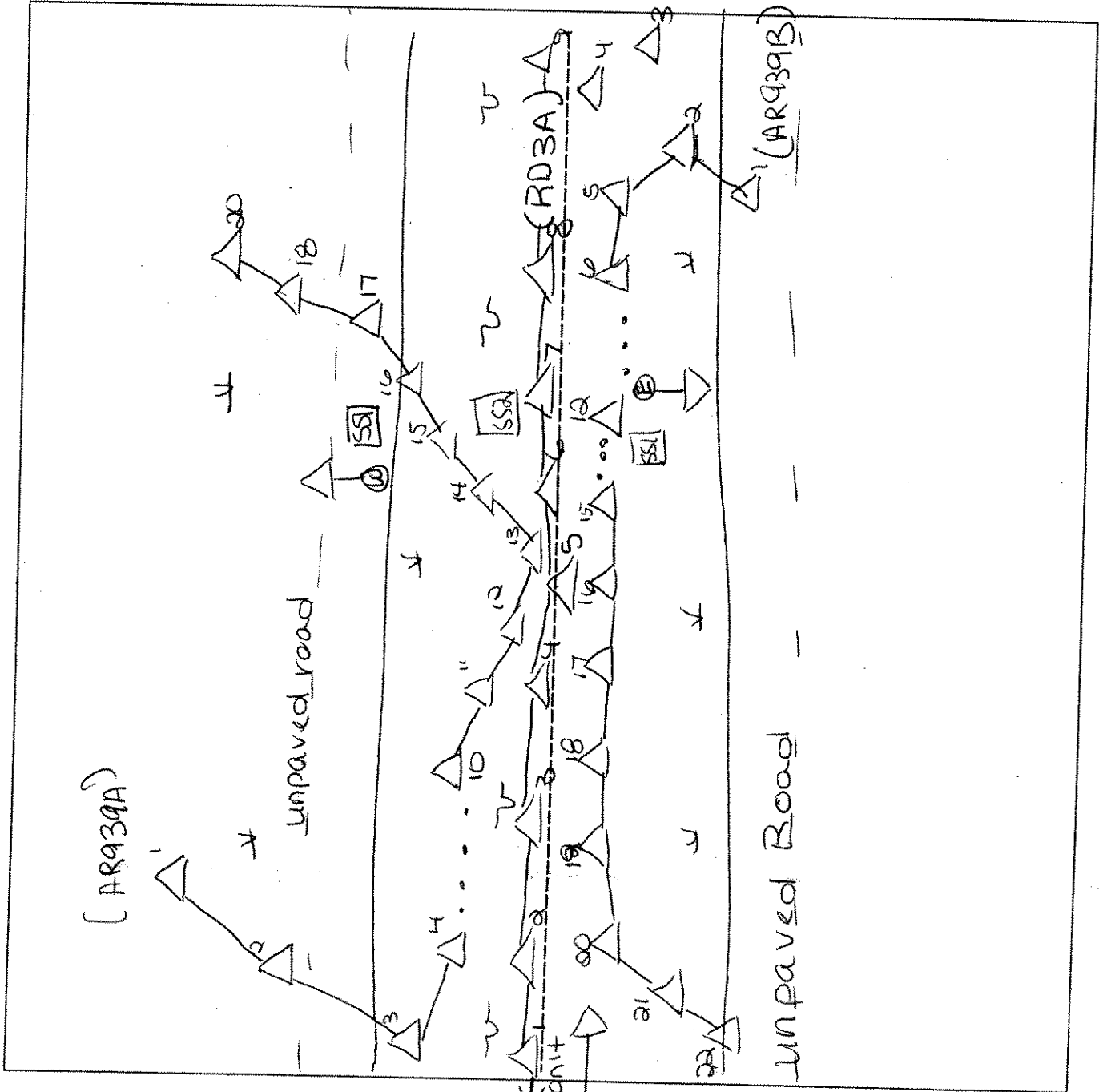
<p>Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p><input checked="" type="checkbox"/> Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): 0</p> <p>Depth to Free Standing Water in Pit (in.): &gt; 15"</p> <p>Depth to Saturated Soil (in.): &gt; 15"</p>	
Remarks:	





SKETCH FORM

Wetland ID/Route #: AR 939A/B + RD3A		Date: 7.18.06	Time:
Initials of Delineators: BR		Location: Access road between turbines 13 + 19	
Roll #: 108	Frames: 939A => W, 939B => E, RD3A => N	109	110



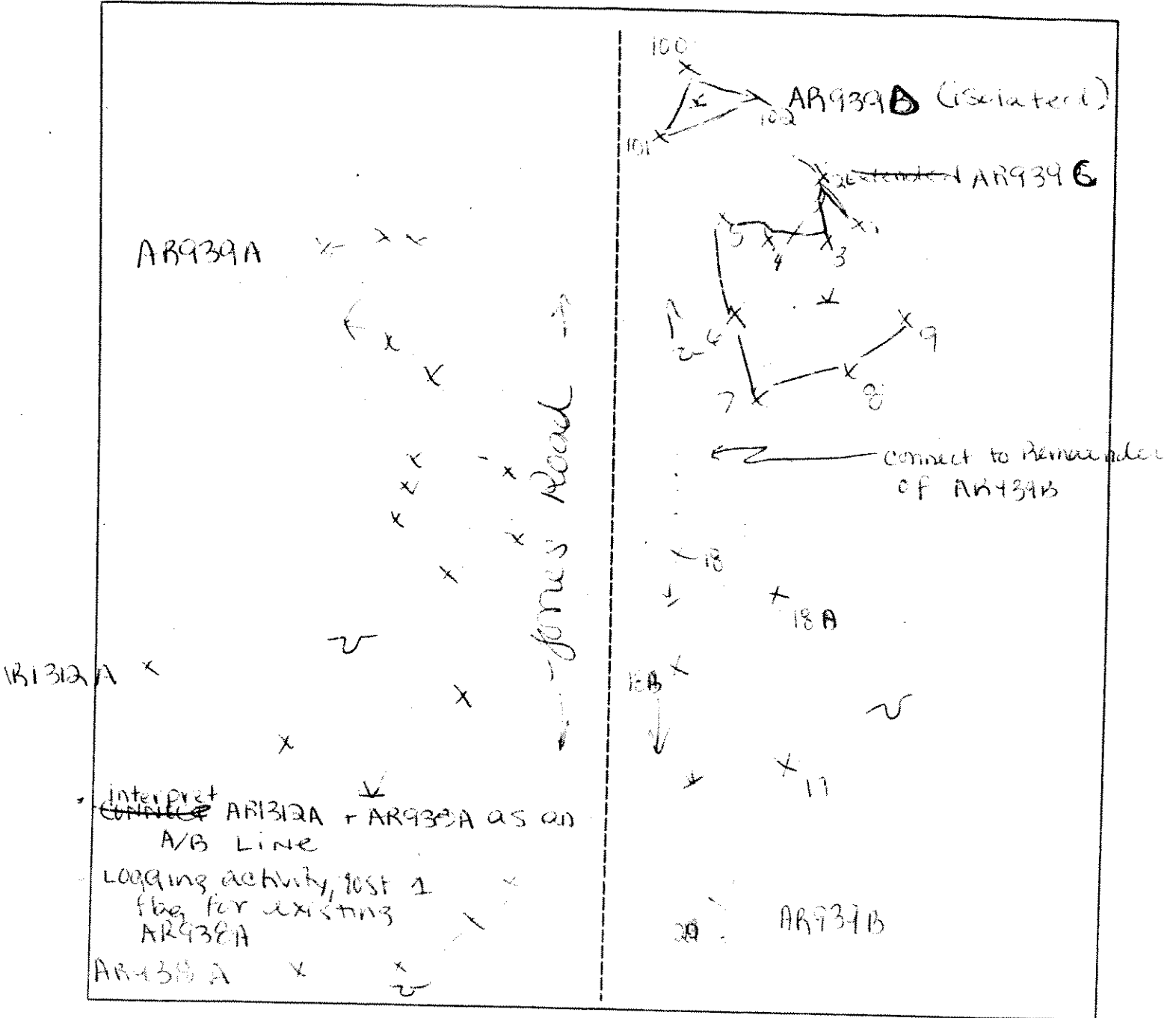
**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

↑  
N

SKETCH FORM

Wetland ID/Route #: AR1312A + AR939B (C/D)		Date: 10/13/00	Time: 1600
Initials of Delineators: JB JV		Location: 11R 10 + 13	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

LAW EXTENSION

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: PFO4 Transect ID: Plot ID: AR939 B S81							

**VEGETATION**

Plant Community Classification: Cedar Swamp  
 Percent Canopy Cover: Tree: 80 Shrub: 45 Herb: 20 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. NW Cedar	T	FACW	9. Marsh Marigold	H	OBL
2. <i>Abies balsamea</i>	T	FAC	10. <i>Onoclea sensibilis</i>	H	FACW
3. <i>Picea mariana</i>	T	FACW-	11.		
4. <i>A. balsamea</i>	S	FAC	12.		
5. <i>Pteris</i> sp	H	-	13.		
6. <i>Carex</i> sp	H	-	14.		
7. <i>Maianthemum Canadensis</i>	H	FAC	15.		
8. <i>Sphagnum</i> moss 50%	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: *Acer rubrum* observed outside sample station <5% abundance.  
 Can not id species due to time of year.

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): NA</p> <p>Depth to Free Standing Water in Pit (in.): 1"</p> <p>Depth to Saturated Soil (in.): 0"</p>	
<p>Remarks:</p>	

Date: 5/8/07  
 Community ID: AR 939-B  
 Plot ID: S81

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1			816t 100m
1-14	A	10YR 2/2			100cm
14-17	B	10YR 3/2	5Y 5/2	low, faint, med.	

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: ORC<sup>s</sup> in A-B, organic streaking in B

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks: PHOTO 5 = E of DEC WL  
 Area has been logged.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	No						
Community ID: UPL Transect ID: Plot ID: AR939 B SSA							

**VEGETATION**

Plant Community Classification: Spruce/Fir Mix Percent Canopy Cover: Tree: 50 Shrub: <5 Herb: 20 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>Betula alleghaniensis</i>	T	FAC	10.		
3. <i>Picea mariana</i>	T	FACW	11.		
4. <i>Thuja occidentalis</i>	H	FACU	12.		
5. <i>Maianthemum canadense</i>	H	FAC	13.		
6. <i>Ostrya sp.</i>	H	—	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50%					
Remarks: *possibly <i>Aster acuminatus</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: ___ Inundated ___ Saturated <input checked="" type="checkbox"/> Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: NA  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/8/07  
 Community ID: AR 939 B  
 Plot ID: 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/2			
3-9	A	10YR 2/1	10YR 5/6	few distinct, fine	clay loam
9-12	B	10YR 6/8	10YR 6/3	prom., many, m.d.	sandy clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: organic streaking in B

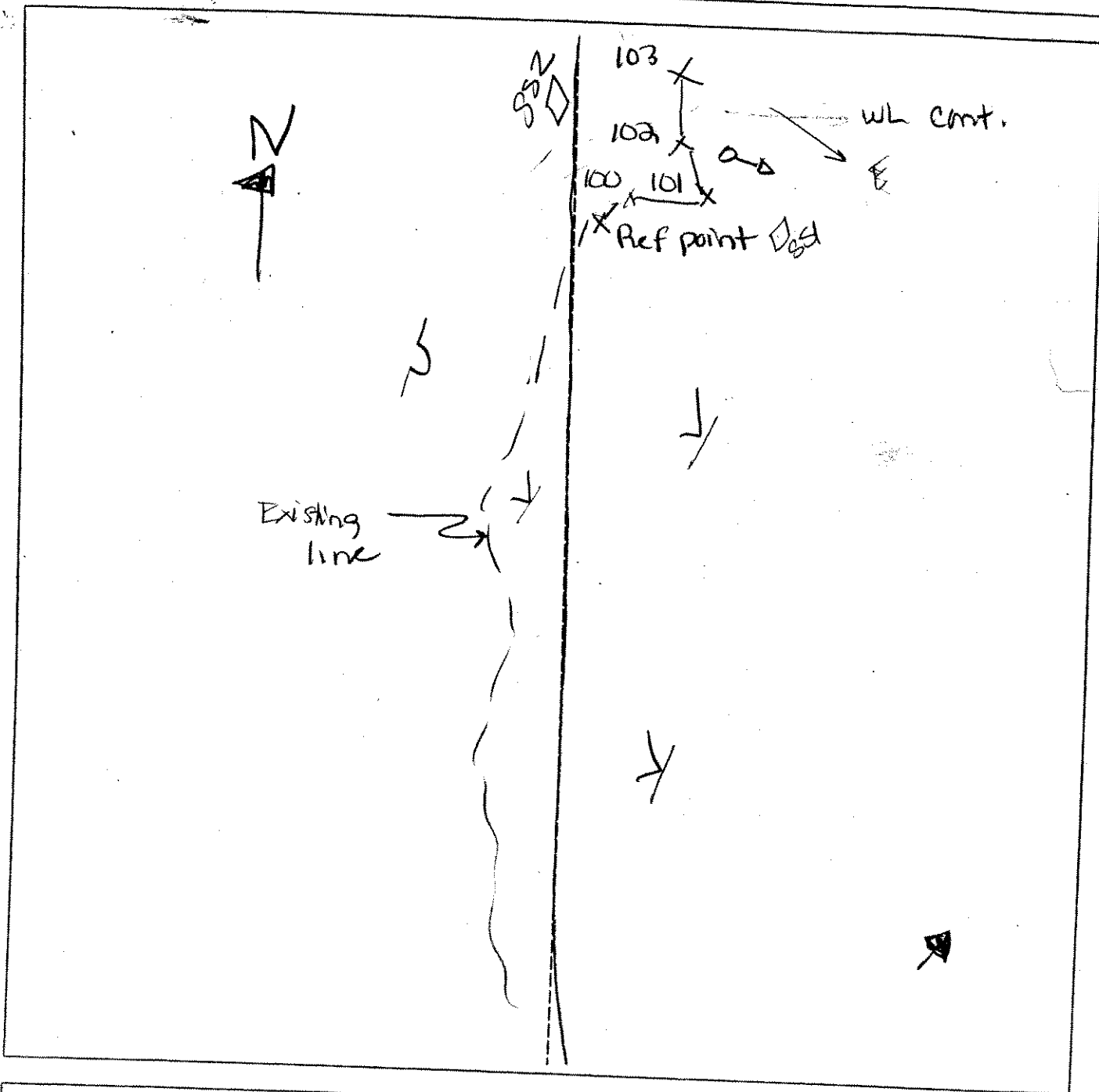
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland? Yes  No

Remarks: Area has been logged, Auto are present within WL / UPL transition. Definite relief into WL to E.

SKETCH FORM

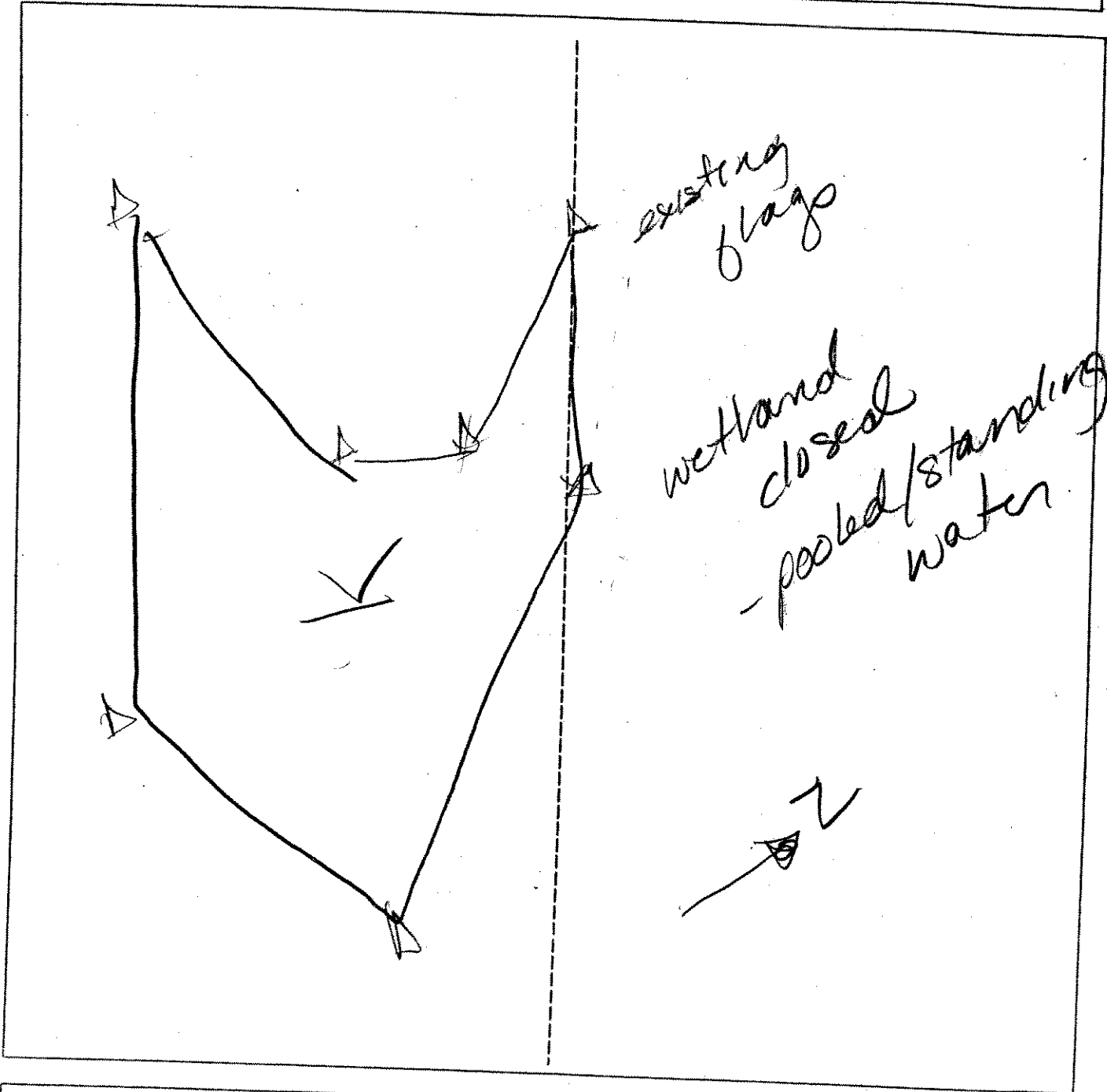
Wetland ID/Route #: AR939B		Date: 5/8/07	Time:
Initials of Delineators: JV / AP		Location: OFF Frontier Rd	
Roll #:	Frames: 5 = E		



Legend			
○▼	Photo Location/Direction	X	Wetland
□	Sample Station	U	Upland
- - -	Centerline	—	Stream
▷	Flag	- . .	Intermittent Stream



Wetland ID/Route #: <b>AB939 C</b>	Date: <b>8 May 07</b> Time:
Initials of Delineators: <b>JV : AP</b>	Location: <b>Frontier Rd</b>
Roll #:	Frames:



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IB RUV</i>	Date: <i>10/15/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR1315</i> <i>SS1</i> <i>AR1316</i> <i>SS2</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Rep plot; Refer to WTG 206 A</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Rep plot; Refer to WTG 206 A</i>	

Date: 10/15/06  
 Community ID:  
 Plot ID: AR1315/1316 SSI  
 SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

Rep plot; Refer to WTB-206

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	








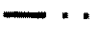
Remarks

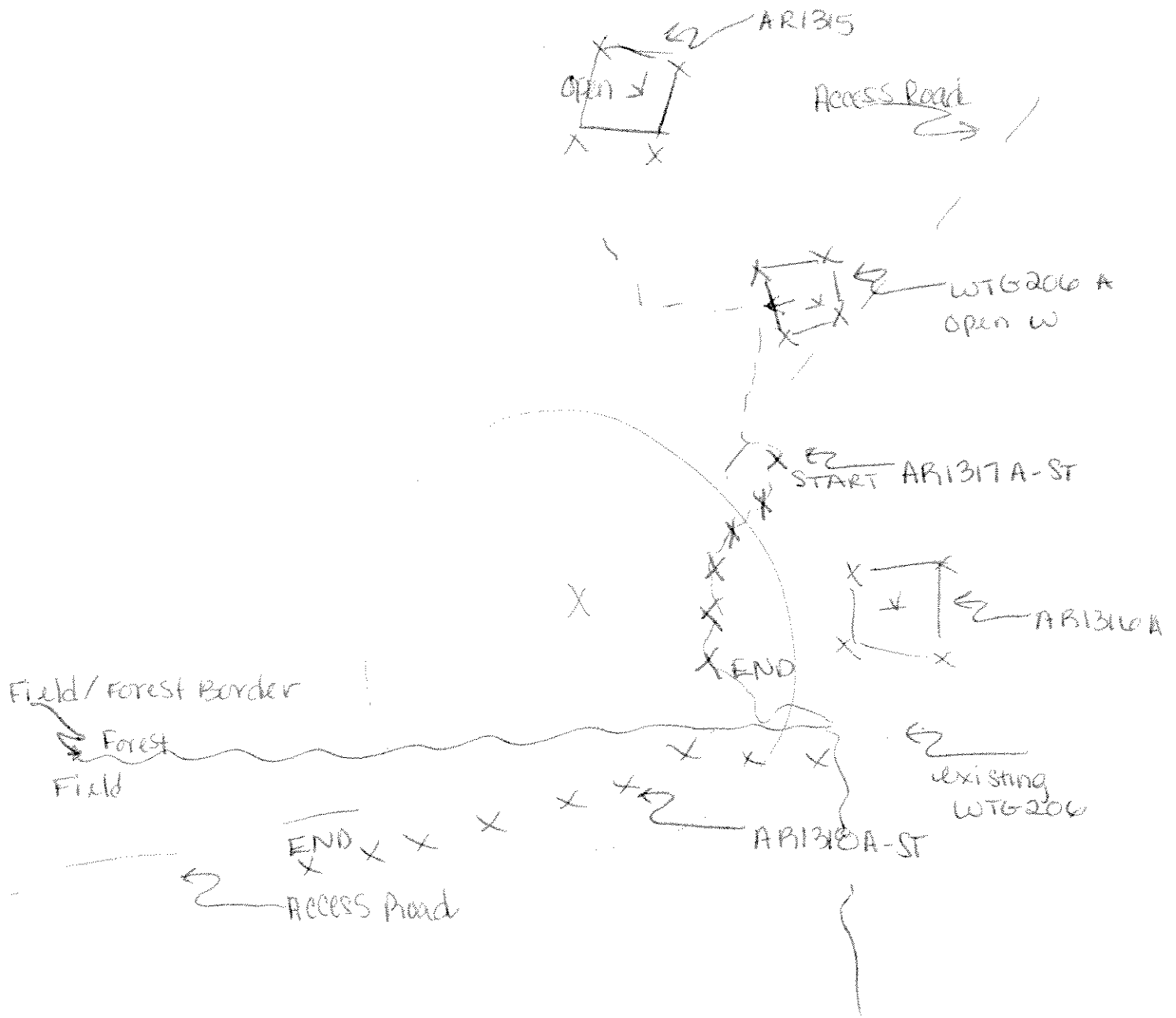
Rep plot; Refer to WTB-206

**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR1315, 1316 WFG 2006		<b>Date:</b> 10/15/06	<b>Time:</b> 1300
<b>Initials of Delineators:</b> IB JV		<b>Location:</b> T. 206	
<b>Roll #:</b>	<b>Frames:</b>		

See Reverse

<b>Legend</b>	
 Photo Location/Direction	 Wetland
 Sample Station	 Upland
 Centerline	 Stream
 Flag	 Intermittent Stream



• WTG 206 (existing) has been pulled / altered to small open area N of T. 206



• Isolated AR1316 WL + WTG 206A

• AR1317 + 1318 - ST are manmade ditches along Field / Forest border.

• open AR1315 to W

(WTG 206-A - 552 = REPRESENTATIVE PLOT)

AR 1315-A  
AR 1316-A

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

V.6. WTG 206A 13A 2  
WTG 206A-1

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BR</u>	Date: <u>5/21/06</u> County: <u>Clerks</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>RD</u> Transect ID: Plot ID: <u>WTG 206 A 13A 2 - 552</u>

*shared upland Plot*

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 63.0 Shrub: 26.5 Herb: 63.0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Red maple</u>	<u>Shrub</u>	<u>FAC</u>	10.		
3. <u>Blk.berry</u>	<u>Shrub</u>	<u>FACU</u>	11.		
4. <u>Maidenhair</u>	<u>Herb</u>	<u>FAC-</u>	12.		
5. <u>Grass Fern</u>	<u>Herb</u>	<u>FACU</u>	13.		
6. <u>Tree like Club moss</u>	<u>Herb</u>	<u>FACU</u>	14.		
7. <u>Interrupted Fern</u>	<u>Herb</u>	<u>FAC</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/7 = 42

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 14"</u>  Depth to Saturated Soil (in.): <u>&gt; 14"</u>	
Remarks:	

Date: 5/21/06  
 Community ID: PFO  
 Plot ID:

WTB 206 Bgms 462

**SOILS**

Map Unit Name (Series and Phase): U/A		Drainage Class: MWD			
Taxonomy (SubGroup): U/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A <sub>1</sub>	10YR2.5/2	None	None	FSL
4-14+	B <sub>1</sub>	10YR2.5/6	None	None	FSL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV DR	Date: 9/15/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: CV1173A SSI

**VEGETATION**

Plant Community Classification: PFO  
Percent Canopy Cover: Tree: 80% Shrub: 20% Herb: 20% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	T	FACW+	9.		
2. <i>Fraxinus pennsylvanica</i>	T	FACW	10.		
3. <i>B. populi folia</i>	T	FAC	11.		
4. <i>Alnus rugosa</i>	U	FACW+	12.		
5. <i>V. burnum Lintago</i>	S	FAC	13.		
6. <i>Rubus</i> sp	H	-	14.		
7. <i>Onoclea sensibilis</i>	M	FACW	15.		
8. <i>V. burnum trilobum</i>	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
 - (1) maple observed on slope  
 - (1) prunus observed w/ area (shrub)  
 - *Rubus* sp. Suspected to be FACW sp.

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p><input checked="" type="checkbox"/> Other TOPO/DEC</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): N/A</p> <p>Depth to Free Standing Water in Pit (in.): N/A</p> <p>Depth to Saturated Soil (in.): upper 12"</p>	
<p>Remarks:</p>	



Date: 9/15/06  
 Community ID:  
 Plot ID: CV1173 A SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-8	A	10YR 3/2			Silty clay
8-20+	B	10YR 5/2	10YR 4/6	many/coarse/prom	Silty clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks Photo => S Wetland area associated w/ CV1173 A-ST			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV DR	Date: 9/15 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: CV173A SS2

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Viburnum lentago	S	FAC	9.		
2. Rubus sp	S	—	10.		
3. Solidago canadensis	H	FAC	11.		
4. Arctium lappa	H	FACU-	12.		
5. Taraxacum officinale	H	FACU	13.		
6. Plantago major	H	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/5 40%.					
Remarks: Rubus sp. suspected to be FACW sp.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TUD/DEC <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators: None</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: None  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 9/15/06  
 Community ID: upland  
 Plot ID: CV1173 A SSA

**SOILS**

Map Unit Name  
 (Series and Phase):

Taxonomy (SubGroup):

Drainage Class:

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth  
 (Inches)

Horizon

Matrix Color  
 (Munsell Moist)

Mottle Colors  
 (Munsell Moist)

Mottles  
 Abundance/Size/  
 Contrast

Texture, Concretions,  
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2			Sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Refusal @ 3" - entire UA area surrounded by compacted access road.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

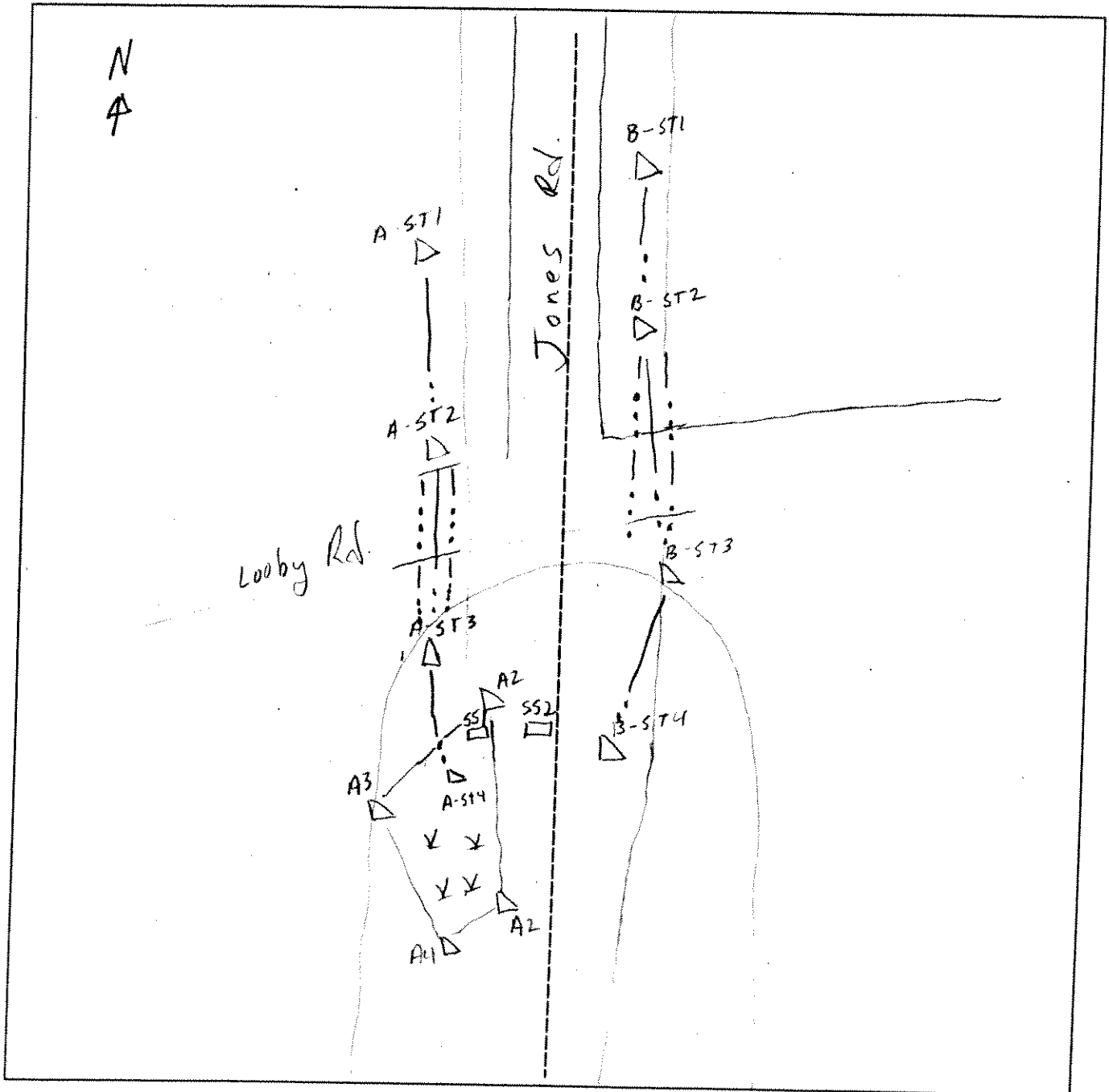
Yes  No  
 Yes  No  
 Yes  No

Is this Sample Station Point Within a Wetland? Yes  No

Remarks

SKETCH FORM

Wetland ID/Route #: CV 1173 A/B	Date: 9/15/66	Time: 10:45 am
Intials of Delineators: DR / JV	Location: Intersection of Jones + Looby Road	
Roll #:	Frames:	



Legend		
Photo Location/Direction	Wetland	Culvert
Sample Station	Upland	Stream
Centerline	Intermittent Stream	
Flag		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD / Sc / LP	Date: 5-31-07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: CV1400 B/C Plot ID: 551

**VEGETATION** PEM Low pasture

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: 95% Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Green Bull Rush	H	OBL	9.		
2. Carex sp.	H		10.		
3. Mint	H	FACW	11.		
4. Sensitive Fern	H	FACW	12.		
5. Soft Rush	H	FACW+	13.		
6. Jewel Weed	H	FACW	14.		
7. Scattered Iris sp.	H	OBL	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/7 = 86%.					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 4" in places Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 6-13-07  
 Community ID: Wetland/C  
 Plot ID: CV1400B/C-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-12"	A <sub>0</sub>	7.5YR 4/1	5YR 4/1		
12-18"	B	10YR 5/2	10YR 3/6	Comm/Med/Distinct	Clay loam w/ con cre.

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor (Slight)
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions (12-18")
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Not isolated, associated w/ intermit. stream
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Is this Sample Station Point Within a Wetland?		<input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks: Bobolinks ; American Robin

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD/SC/LP	Date: 5-31-07 County: Clinton Upland State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No
Community ID: Upland Transect ID: CN1400 B/C & A Plot ID: SSZ	

**VEGETATION** *Early successional roadside*

Plant Community Classification: Percent Canopy Cover:	Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: 95%	Vine: <input checked="" type="checkbox"/>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Dandelion	H	FACU-	9.		
2. Equisetum	H	FACW	10.		
3. Cow vetch	H	UPL	11.		
4. Brasses	H		12.		
5. Wild Madder	H	UPL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $1/5 = 20\%$					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 5-31-07  
 Community ID: upland  
 Plot ID: SSZ  
 CV1400 B/C #A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-7"	A	10YR 3/3	N/A	---	Sandy loam
7-18"	B	5YR 4/3	N/A	---	Sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 0-7" slight stoney → off roadside

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD/SC/LP	Date: 5-31-07 County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	<input checked="" type="radio"/>								
Yes	<input checked="" type="radio"/>								
Community ID: Wetland Transect ID: CV1400A Plot ID: 553									

**VEGETATION** PEM - Hay field

Plant Community Classification:					
Percent Canopy Cover: Tree: $\emptyset$ Shrub: $>8\%$ Herb: $95\%$ Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Dark green bullrush	H	OBL	9.		
2. Jewel weed	H	FACW	10.		
3. Carex sp.	H		11.		
4. Aster sp.	H		12.		
5. Sensitive Fern	H	FACW	13.		
6. Meadow sweet	S/H	FAC+	14.		
7. Scattered Iris sp.	H	OBL	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $5/8 = 63\%$					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches (few) <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 4" in places Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5-31-07  
 Community ID: CV1400A  
 Plot ID: 553

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18"	A	10YR 3/1	N/A		Silty Clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

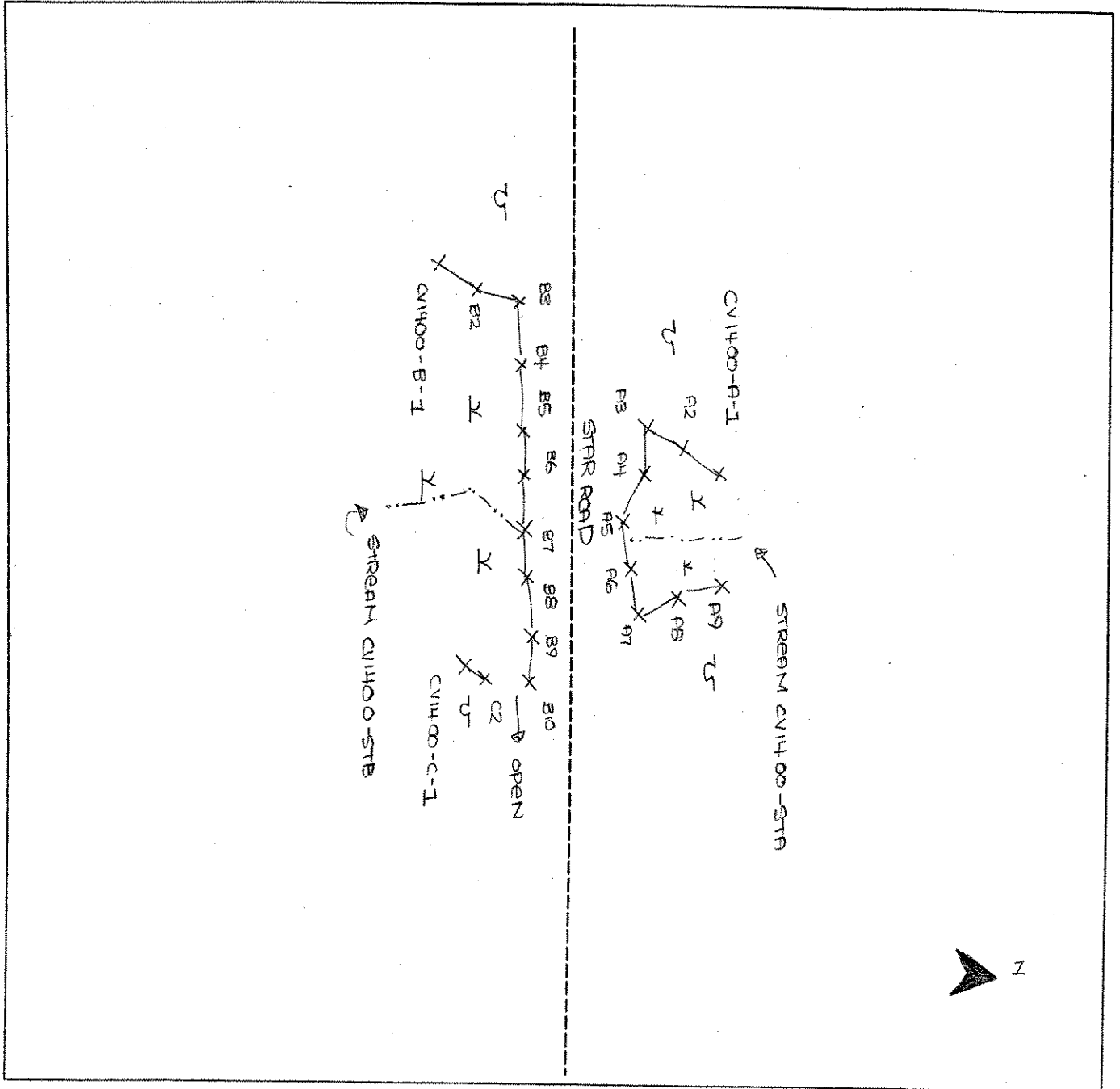
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: Not isolated, associated w/ intermit. stream

### SKETCH FORM

<b>Wetland ID/Route #:</b> CV1400A + CV1400 B/C	<b>Date:</b> 5/31/2007	<b>Time:</b>
<b>Initials of Delineators:</b> RJD / SC / LP	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RVD, AT</u>	Date: <u>5/9/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>CWIC 704A</u> Plot ID: <u>SS1</u>

**VEGETATION**

PFO.1

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>65%</u> Shrub: <u>45%</u> Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPRING MON</u>	<u>H</u>	<u>OBL*</u>	9. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>
2. <u>Carex sp</u>	<u>H</u>	<u>-</u>	10. <u>Trout Lilly</u>	<u>H</u>	<u>UPL*</u>
3. <u>Equisetum</u>	<u>H</u>	<u>-</u>	11. <u>High bush blackberry</u>	<u>S/H</u>	<u>NI</u>
4. <u>Red maple</u>	<u>H</u>	<u>FAC</u>	12. _____		
5. <u>Green Ash</u>	<u>T/H</u>	<u>FACW</u>	13. _____		
6. <u>Red Birch</u>	<u>T/S</u>	<u>-</u>	14. _____		
7. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	15. _____		
8. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	16. _____		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks:  <u>① Not listed, Assume OBL</u> <u>② Assume UPL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>2" in places</u> Depth to Free Standing Water in Pit (in.): <u>Ø</u> Depth to Saturated Soil (in.): <u>Ø</u>	
Remarks:	

Date: 5/19/06  
 Community ID: WERRMID  
 Plot ID: CWICT04A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1	—	—	Silty clay
6-12	B	10YR 3/1	—	—	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

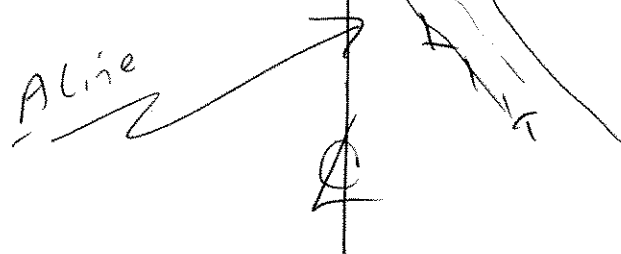
Remarks:  
 Residue of Argex. AT 12"  
 \* Oxidized Rhizospheres 0-12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

wetland  
 stream originates



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RDJ</u>	Date: <u>5/19/06</u> County: <u>Clinch</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>CWIC704A</u> Plot ID: <u>SS2</u>

**VEGETATION**

Upland Decid forest, logged w/ 5-10 yrs ago

Plant Community Classification:

Percent Canopy Cover: Tree: 25% Shrub: 75% Herb: 70% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del>Red maple</del>	<del>T/S</del>	<del></del>	9. High bush blackberry	S	NI
2. <del>Green Ash</del>	<del>T</del>	<del>FACW</del>	10. <del>Sourwood</del>	S	<del>FAC</del>
3. <del>Red Alder</del>	<del>S</del>	<del>FAC</del>	11. <del>Dandelion</del>	H	<del>FACU</del>
4. <del>Common Sweetgum</del>	<del>S</del>	<del>FACW</del>	12. <del>Creeper buttercup</del>	H	<del>FAC</del>
5. <del>Prunella 6. Red</del>	<del>H</del>	<del>FACU</del>	13. <del>Sugar maple</del>	S	<del>FACU</del>
6. <del>Sourwood</del>	<del>H</del>	<del>FACU</del>	14.		
7. <del>Spring beauty</del>	<del>H</del>	<del>FACU</del>	15.		
8. <del>TRAIL CLOVER</del>	<del>H</del>	<del>UPL*</del>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 45%

Remarks:

\* Assume UPL

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Field Observations: Depth of Surface Water (in.): <u>n/A</u> Depth to Free Standing Water in Pit (in.): <u>n/A</u> Depth to Saturated Soil (in.): <u>n/A</u>	
Remarks:	

Date: 5/19/06  
 Community ID: UPLANDS  
 Plot ID:

CWIC704A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	10T1A	10YR4/3	-	-	SIF / 10cm

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*Revised August 8 11*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks  
 - Long's Pine  
 - young trees from old stumps  
 - open canopy

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RTS, BV</u>	Date: <u>5/18/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>CWCIC 70413</u> Plot ID: <u>-SS1</u>

**VEGETATION**

PTO 1 / PSS

Plant Community Classification: Percent Canopy Cover: Tree: <u>45%</u> Shrub: <u>40%</u> Herb: <u>60%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Willow sp	S	-	9. Gray bird	T/S	FAC
2. <del>Sensitive Fern</del>	H	FACW			
3. <del>Carex lasiocarpa</del>	H	OBL			
4. <del>Sphagnum</del>	H	OBL*			
5. <del>Impatiens capensis</del>	H	FACW			
6. <del>Red Bird</del>	T/S	-			
7. <del>Yellow Bird</del>	T	FAC			
8. <del>Green Ash</del>	T	FACW			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:  <u>* Assume OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>2" in Drainage pattern</u> Depth to Free Standing Water in Pit (in.): <u>2</u> Depth to Saturated Soil (in.): <u>2</u>	
Remarks:	



Date: 5/19/06  
 Community ID: wetland  
 Plot ID: CWIC 704B-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-12	A	10YR2/1	—	—	Silt/Am

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Resusp of Aquic 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARLBOROUGH</u> Applicant/Owner: <u>MARLBOROUGH, LLC</u> Investigator: <u>TAI, R</u>	Date: <u>5/9/06</u> County: <u>Clinch</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>CWC 704 B</u> Plot ID: <u>SS2</u>

**VEGETATION** open PFOI

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>75%</u>	Shrub: <u>70%</u>	Herb: <u>70%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sugar Maple</u>	<u>T/S/A</u>	<u>FACU-</u>	9.		
2. <u>Q. Asper</u>	<u>T/A</u>	<u>FACU</u>	10.		
3. <u>Graybird</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Black Lily</u>	<u>H</u>	<u>UPL*</u>	12.		
5. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Strawberry</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Sourcherry</u>	<u>S/H</u>	<u>FAC</u>	15.		
8. <u>Apple 50</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33.1</u> .					
Remarks:  <u>X ASSUME UPL</u>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>n/a</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>n/a</u></p> <p>Depth to Saturated Soil (in.): <u>n/a</u></p>	
Remarks:	

Date: 5/19/06  
 Community ID: UPLAND  
 Plot ID:

CWIC 704B-SS2

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR2/2	—	—	Heavy silt/clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

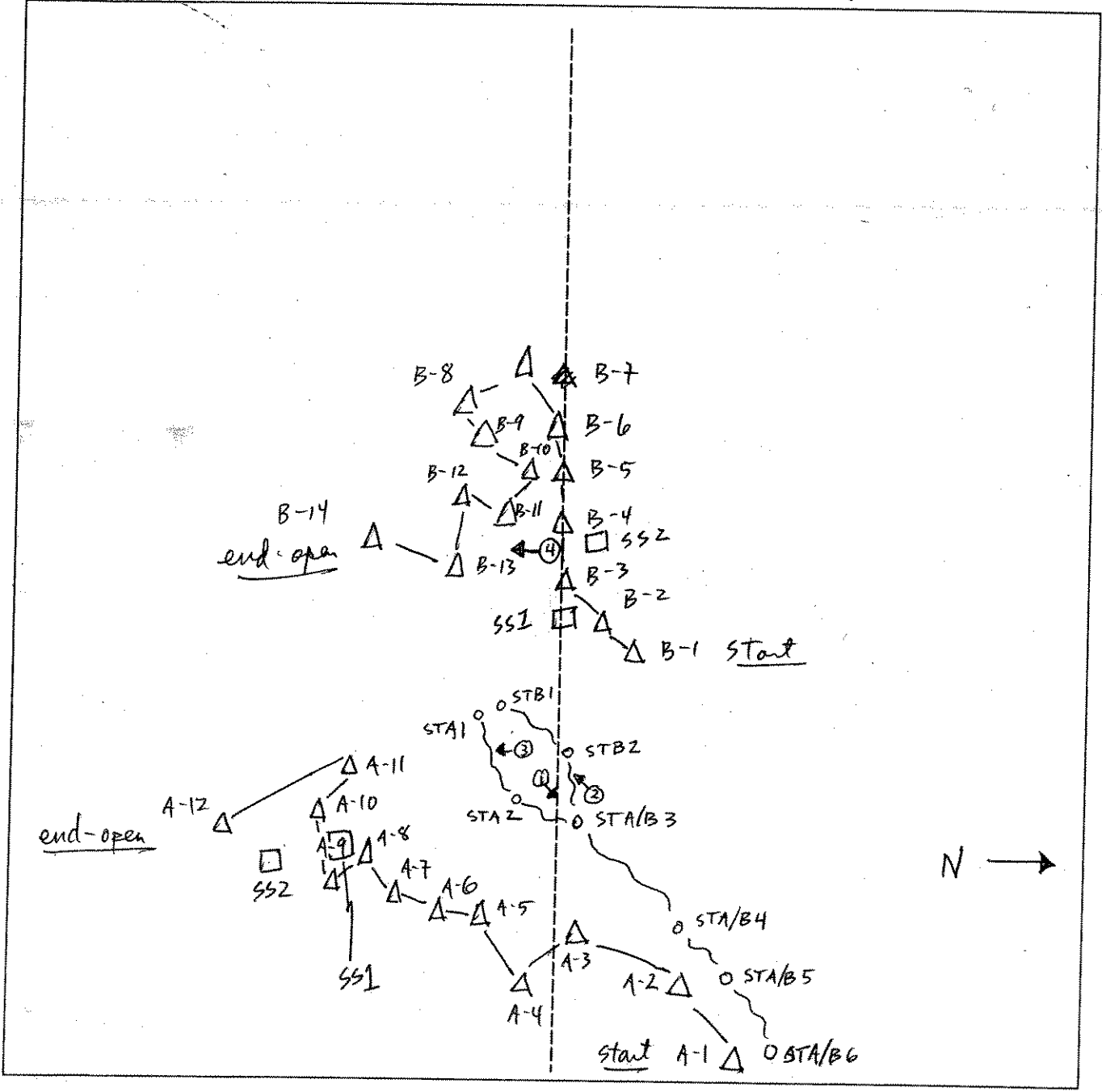
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

SKETCH FORM

Wetland ID/Route #: CWIC 704 A/B	Date: 5/9/06	Time: 9:45 a.
Initials of Delineators: RD - RJ	Location:	
Roll #:	Frames: photo 1 facing NE - stream, photo 2 facing SW, trils.; photo 3 facing S - wetland; photo 4 facing S - wetland	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: CWIC704A1B Plot ID: 553

**VEGETATION**

Plant Community Classification: PFO1					
Percent Canopy Cover: Tree: 70 Shrub: 20 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ONOCLEA SENSIBILIS	H	FACW	9. CAREX SP	H	
2. ASTER SP	H		10. MEADOWSWEET	S	FAC+
3. INPATIENS CAPENSIS	H	FACW	11.		
4. SOLIDAGO SP.	H		12.		
5. SPECKLED ALDER	S	FACW+	13.		
6. ULMUS AMERICANA	T,S	FACW-	14.		
7. FRAXINUS PENNSYLVANICA	T,S	FACW	15.		
8. BETULA POPULIFOLIA	T	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 9/12 = 75%					
Remarks: SCATTERED EQUISETUM					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): 4"  Depth to Saturated Soil (in.): 50"	
Remarks:	

Date: 6/1/2007  
 Community ID: WETLAND  
 Plot ID: 888

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10 YR 3/1			SILTY CLAY LOAM
10-18	B	10 YR 5/2	10 YR 4/4	FEW/MED/FAINT	SANDY LOAM

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: ORGANIC STREAKING

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: CWICT04 A/B Plot ID: 554

**VEGETATION**

Plant Community Classification: UPLAND DECIDUOUS FOREST					
Percent Canopy Cover: Tree: 85 Shrub: 30 Herb: 65 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ACER SACCHARUM	T, S, H	FACU-	9. IMPATIENS CAPENSIS	H	FACW
2. FRAXINUS PENNSYLVANICA	T	FACW	10. ASTER SP	H	
3. LINUS AMERICANA	T	FACW-	11. RUBUS SP	H	
4. HAWTHORN	S		12. WOOD FERN	H	
5. SPIRAEA LATIFOLIA	S	FAC+	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/11 = 36%					
Remarks: PARTIALLY BERRY IN OTHER PLACES INTERRUPTED FERN					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated @ 16" <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 16" Depth to Saturated Soil (in.): 16"	
Remarks:	

Date: 6/1/2007 UPLAND  
 Community ID: CW1C704 A1B  
 Plot ID: SS4

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR2/1			LOAM
10-16	B <sub>1</sub>	10YR3/2			SILT LOAM
16-18	B <sub>2</sub>	10YR5/3			SANDY LOAM

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

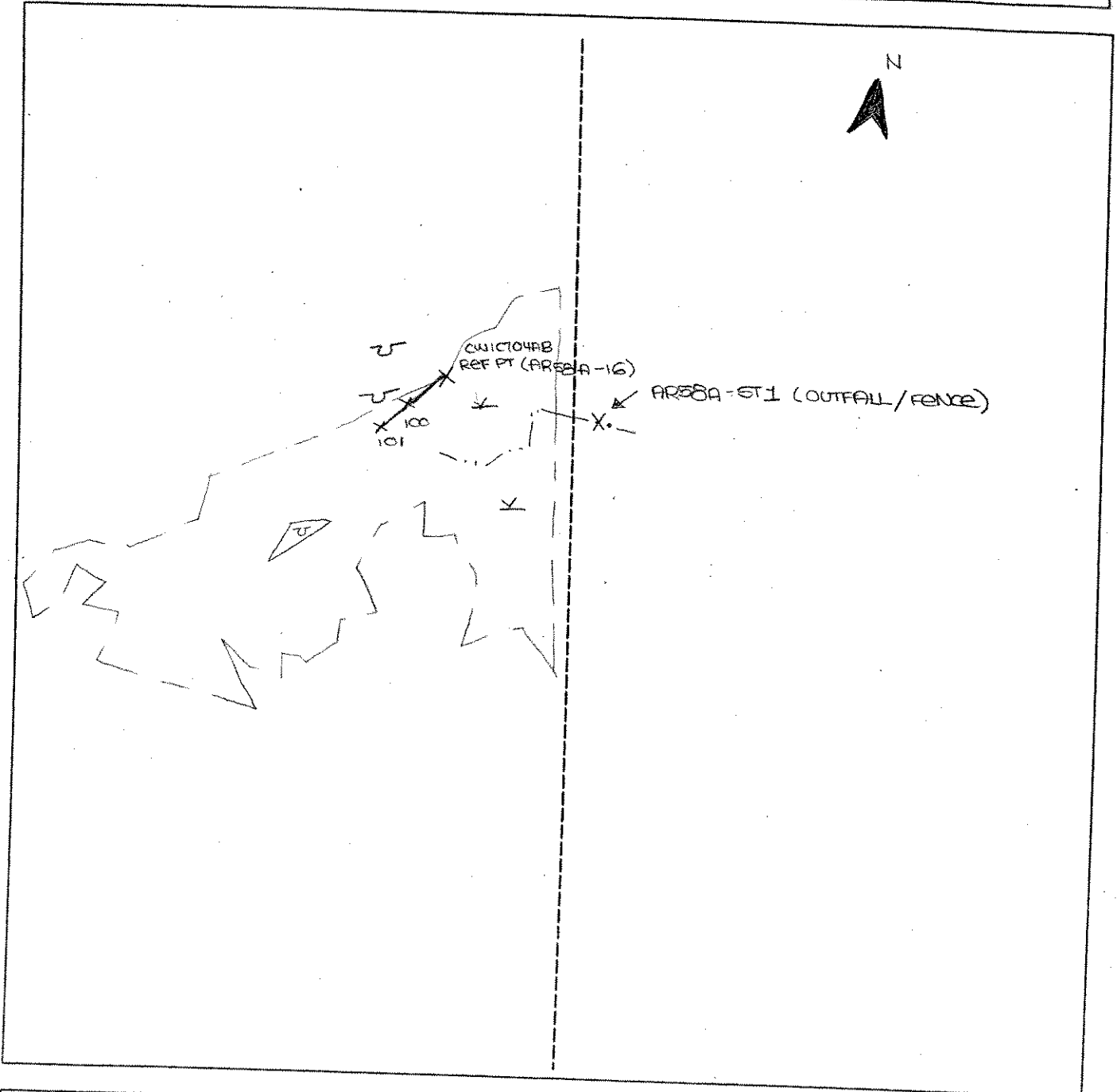
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks



# SKETCH FORM

<b>Wetland ID/Route #:</b> CWIC704 - A/B	<b>Date:</b> 5/25/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>RTN RT</u>	Date: <u>5/19/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WERMID</u> Transect ID: <u>WIC705A</u> Plot ID: <u>SS1</u>

**VEGETATION**

P.S.S.

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>80%</u> Herb: <u>80%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MEADOW SWEET</u>	<u>S/H</u>	<u>FACW</u>	9.		
2. <u>Silky Willow</u>	<u>S</u>	<u>OBL</u>	10.		
3. <u>Carex sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Juncus sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>ALGAE (green)</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Grass sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Clubmoss</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/9/06  
 Community ID: wetlands  
 Plot ID: CWIC705A-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 5/1	10YR 5/8	Few (medium)	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 REUSE of data 10?

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks  
 Use also for B Line (new wetland)

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RICE</u> Applicant/Owner: <u>MARSH RICE, LLC</u> Investigator: <u>DD, TA</u>	Date: <u>5/9/06</u> County: <u>Clinch</u> State: <u>NC</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLM15</u> Transect ID: <u>CWIC 705A</u> Plot ID: <u>SS2</u>

**VEGETATION**

OPEN EARLY SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>75%</u>	Shrub: <u>40%</u>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grass</u>	<u>1+</u>	<u>-</u>	9.		
2. <u>Clear</u>	<u>1-1</u>	<u>FAC</u>	10.		
3. <u>Podium</u>	<u>1+</u>	<u>FACW</u>	11.		
4. <u>Musk weed</u>	<u>1+</u>	<u>UPL</u>	12.		
5. <u>Spice</u>	<u>1</u>	<u>-</u>	13.		
6. <u>marsh weed</u>	<u>5</u>	<u>FAC+</u>	14.		
7. <u>Common water lily</u>	<u>1+</u>	<u>FACU</u>	15.		
8. <u>grass</u>	<u>1/5</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>43%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/18/06  
 Community ID: upland  
 Plot ID: CWIC 705 A - 552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/2	—	—	Silty clay

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Removal of top 12"

**WETLAND DETERMINATION**

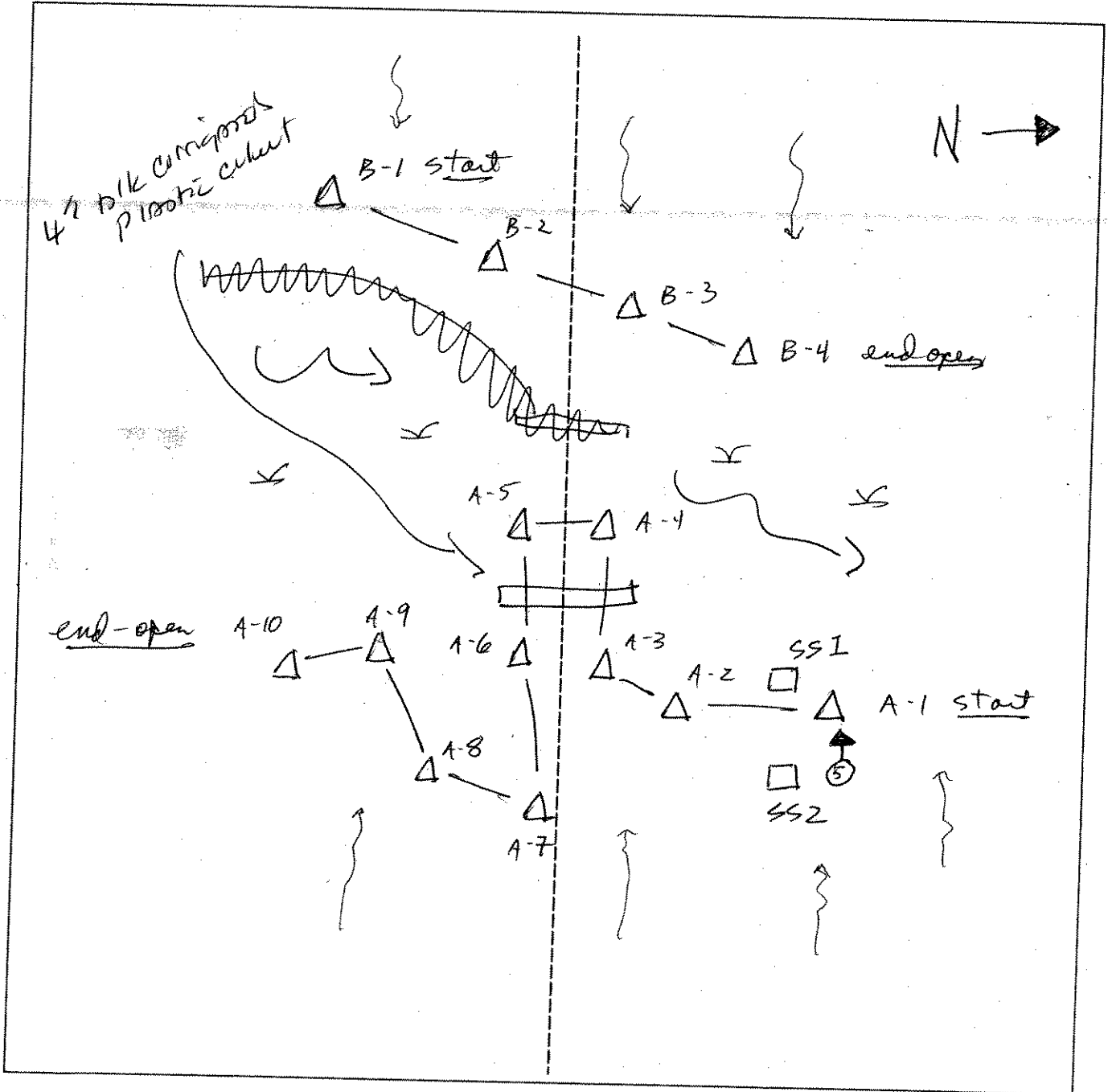
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Use for B-line - narrow wetland

SKETCH FORM

Wetland ID/Route #: CWIC705A/B	Date: 5/9/06	Time: 11:55 a.
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames:	photos facing W



Legend	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∨	Wetland
—	Upland
—	Stream
- . . -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Norfolk River Wards</i> Applicant/Owner: <i>Norfolk River, LLC</i> Investigator: <i>BE</i>	Date: <i>5/20/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <i>Hay field</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>CWFC-722-A-551</i>

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree:  Shrub:  Herb: *100* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. UK Grass</i>	<i>H</i>		9.		
<i>2. Carex sp (early)</i>	<i>H</i>	<i>Assumed</i>	10.		
<i>3. Plectanthes sp</i>	<i>H</i>	<i>OBL</i>	11.		
<i>4. Onoclea sensibilis</i>	<i>H</i>	<i>FACW</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *no dand; (iron or clon)*

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input checked="" type="checkbox"/> Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <i>8-20"</i>          Depth to Free Standing Water in Pit (in.):          Depth to Saturated Soil (in.):</p>	
<p>Remarks:</p>	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-16"	A <sub>1</sub>	2.5Y 2.5/1	10YR 7/4 +	2.5Y 5/2	Sandy loam

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors *low chroma redox near surface*
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River Wad</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BCO</u>	Date: <u>5/20/06</u> County: <u>Clinton</u> State: <u>NC</u>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>Hay field</u> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>CWIC-722-A-552</u>

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover:						
	Tree:		Shrub:		Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <del>U.S. Grass</del>	H		9.			
2. <u>Trifolium repens</u>	H	FACW	10.			
3. <u>Thalictrum officinarum</u>	H	FACW	11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>						
Remarks:						

**HYDROLOGY** None

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/20/06  
 Community ID: Upland  
 Plot ID: CW-IC 728 A SSD

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Ap	0-15	10YR 3/2	7.5 YR 3/4	< 2%	Sandy loam

- Hydro Soil Indicators
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

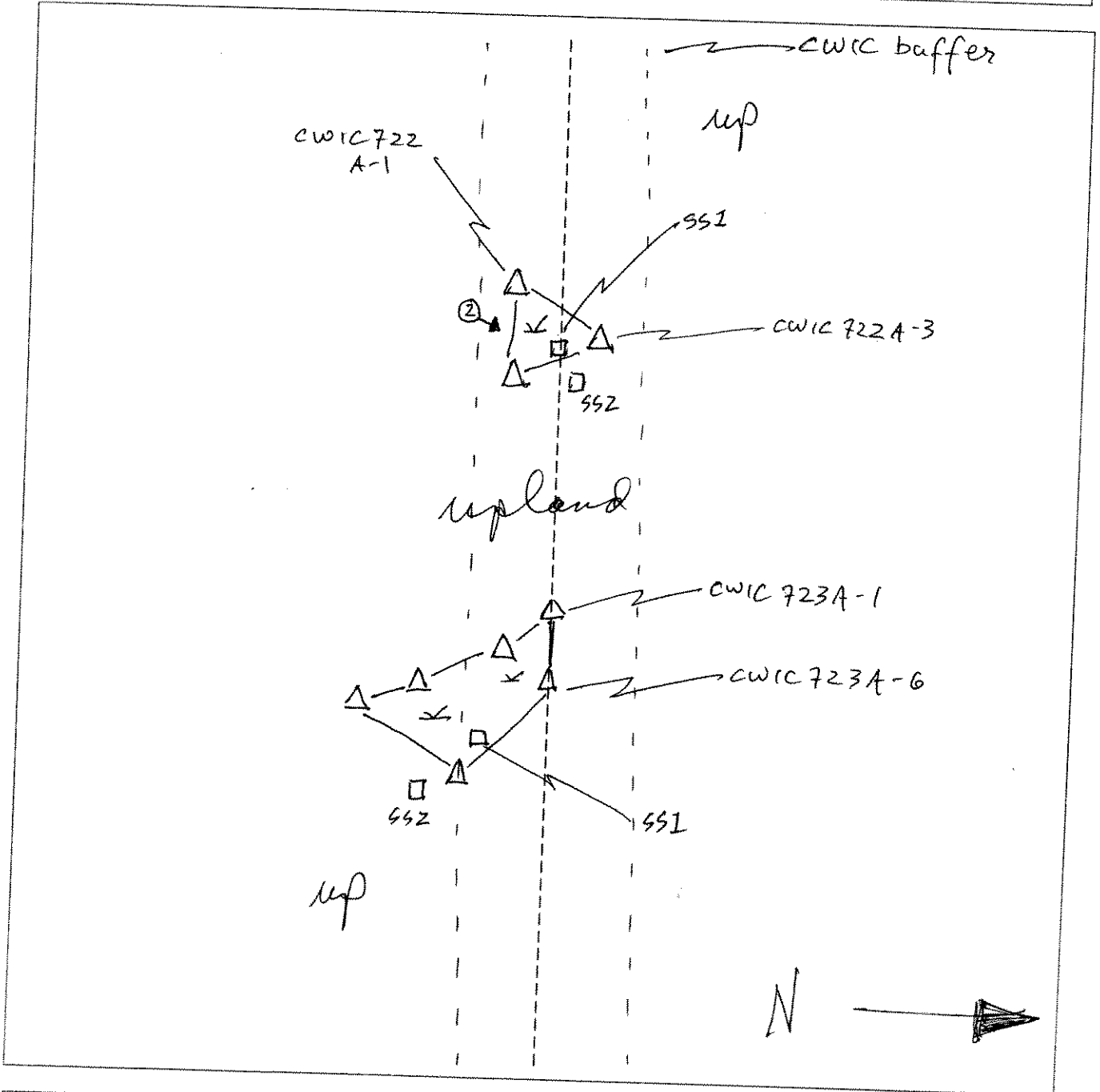
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: CWIC722A & 723A		Date: 5/20/06	Time:
Initials of Delineators: BQ-RJ		Location:	
Roll #:	Frames: photo 2 XNE @ CWIC722A-1		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BO</u>	Date: <u>5/17/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetlands</u> Transect ID: _____ Plot ID: _____ CW715-B-SS1

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
* 1	<u>B. dopulifolia</u>	<u>T</u>	<u>FAC</u>	9			
* 2	<u>A. Pulmonum</u>	<u>T</u>	<u>FAC</u>	10			
3	<u>Fragaria virginiana</u>	<u>H</u>	<u>FACW</u>	11			
* 4	<u>O. sensibilis</u>	<u>H</u>	<u>FACW</u>	12			
* 5	<u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	13			
* 6	<u>O. cinnamomea</u>	<u>H</u>	<u>FACW</u>	14			
* 7	<u>P. serotino</u>	<u>SA</u>	<u>FACW</u>	15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 71%

Remarks:

**HYDROLOGY**

Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patters in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: <u>&lt; 1"</u> (in.) Depth to Saturated Soil: <u>Surface</u> (in.)	Remarks:

CW 765-19-551

**SOILS**

Map Unit Name \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 (Series and Phase): \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-7	A	2.5Y 3/1	08 Rhizo		Sandy loam
7-12+	B <sub>q</sub>	2.5Y 6/2	10YR 4/6	75%	Sandy loam

Hydric Soil Indicators:  
 -low chromic soil colors

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle)	(Circle)
Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks:	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BCQ</u>	Date: <u>5/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No                  Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No                  (If needed, explain on reverse.)             </span></span>	Community ID: <u>Upland</u> Transect ID: _____ Plot ID: _____  <u>CW 715-B-552</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
* 1	<u>A. rubra</u>	<u>T</u>	<u>FAC</u>	9			
# 2	<u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10			
3	<u>P. serotina</u>	<u>SH</u>	<u>FACU</u>	11			
4	<u>M. canadense</u>	<u>H</u>	<u>FAC-</u>	12			
5	<u>Christmas tree</u>	<u>H</u>	<u>FACU</u>	13			
6				14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 40%

Remarks:

**HYDROLOGY** NONE

Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patters in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water: _____ (in.)  Depth to Free Water in Pit: _____ (in.)  Depth to Saturated Soil: _____ (in.)	Remarks:

Upland  
CW 715-13-558

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

**Profile Description:**

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-1	A	10YR 3/1	None		
1-6	Bw1	10YR 4/4	None		
6-10*	Bw2	10YR 4/6	None		

Hydric Soil Indicators:

Remarks:

**WETLAND DETERMINATION**

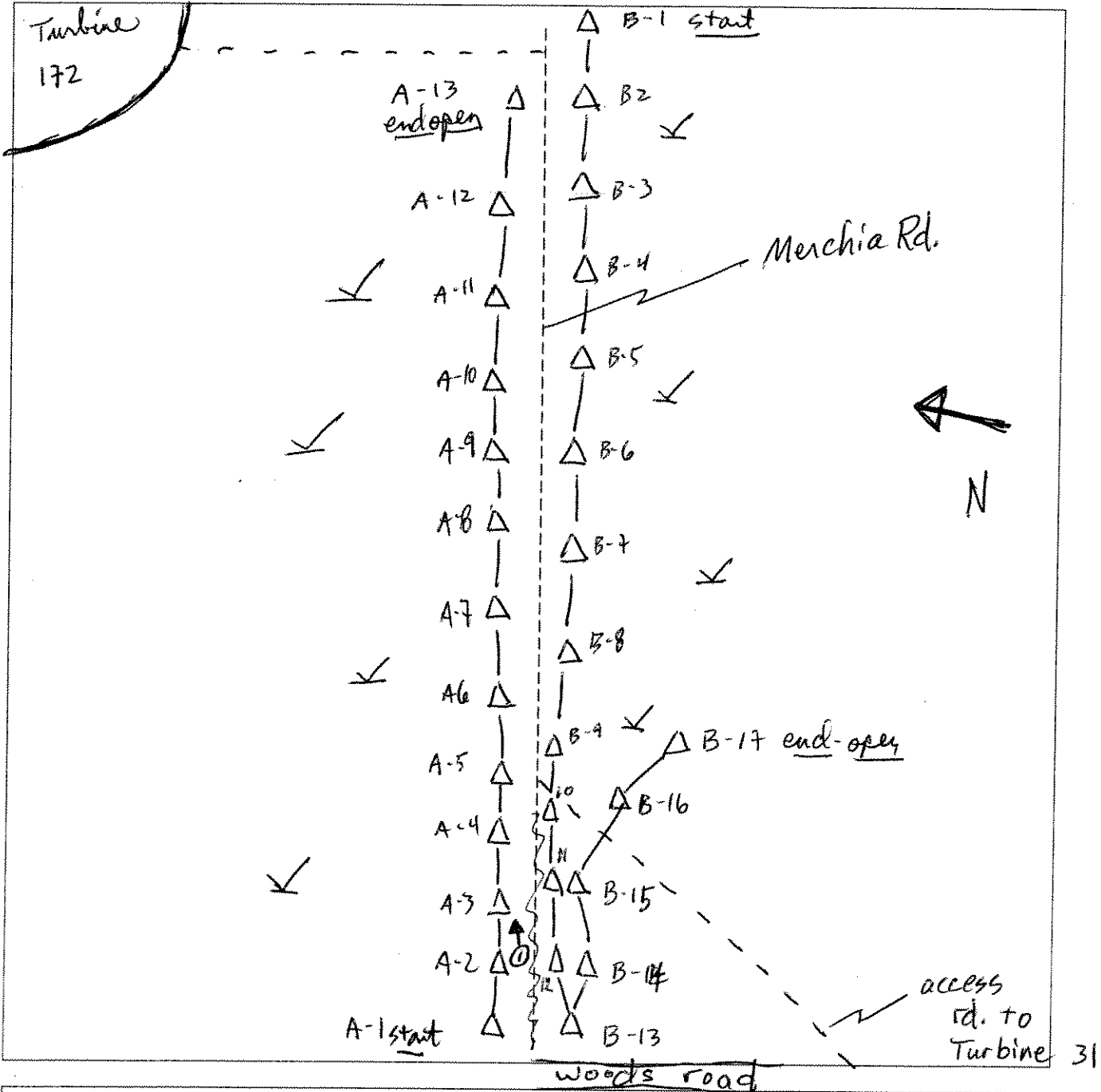
? →

Hydrophytic Vegetation Present?	Yes	No (Circle)	(Circle)
Wetland Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	
Is this Sampling Point Within a Wetland?			Yes (Circle) No
Remarks:			

Approved by HQUSACE 3/92

SKETCH FORM

Wetland ID/Route #: CW715 A/B	Date: 5/17/06	Time: 12:05
Initials of Delineators: BQ-RJ	Location:	
Roll #: Frames:	photo 1 facing E to flag A-3	



Legend	
○➔	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∨	Wetland
—	Upland
—	Stream
- · - ·	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BE</i>	Date: <i>7-20-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1022-A-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>60</i>	Shrub: <i>30</i>	Herb: <i>60</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Tall buttercup</i>	T/H	FAC+
2. <i>Betula populifolia</i>	T	FAC	10. <i>Viburnum cassinoides</i>	FAC/H	FACU
3. <i>Corylus cornuta</i>	SH	FACU	11. <i>Strawberry</i>	FAC/H	FACU
4. <i>Quercus rubra</i>	T	FAC	12.		
5. <i>Cornus amomum</i>	SH	FACU	13.		
6. <i>Solidago</i> sp.	H		14.		
7. <i>Epipactis</i> sp.	H	assumed	15.		
8. <i>Carex flaccida</i>	H	OBC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-20-06  
 Community ID: wetland  
 Plot ID: IC 1022 A-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/1	7.5YR 3/3	75%	sandy loam
10-16"	Bw	2.5Y 9/2	10YR 5/6	75%	sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: extremely stony @ 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Fil → NW

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>Boe</i>	Date: <i>7-20-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wpland</i> Transect ID: Plot ID: <i>IC 1022-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>75</i>	Shrub: <i>10</i>	Herb: <i>5</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>N. W. Cedar (T. occidentalis)</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>Betula populifolia</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>Canada mayflower</i>	<i>H</i>	<i>FAC-</i>	12.		
5. <i>Corylus cornuta</i>	<i>SH</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>60%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <i>none</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>none</i> Depth of Surface Water (in.): <i>Observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-20-06  
 Community ID:  
 Plot ID: IC 1022-A-992

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	None	-	Sandy loam
8-12	B <sub>01</sub>	10YR 3/3	None	-	↓
12-16	B <sub>02</sub>	2.5Y 6/4	None	-	

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 extremely stony @ 12-16"

**WETLAND DETERMINATION**

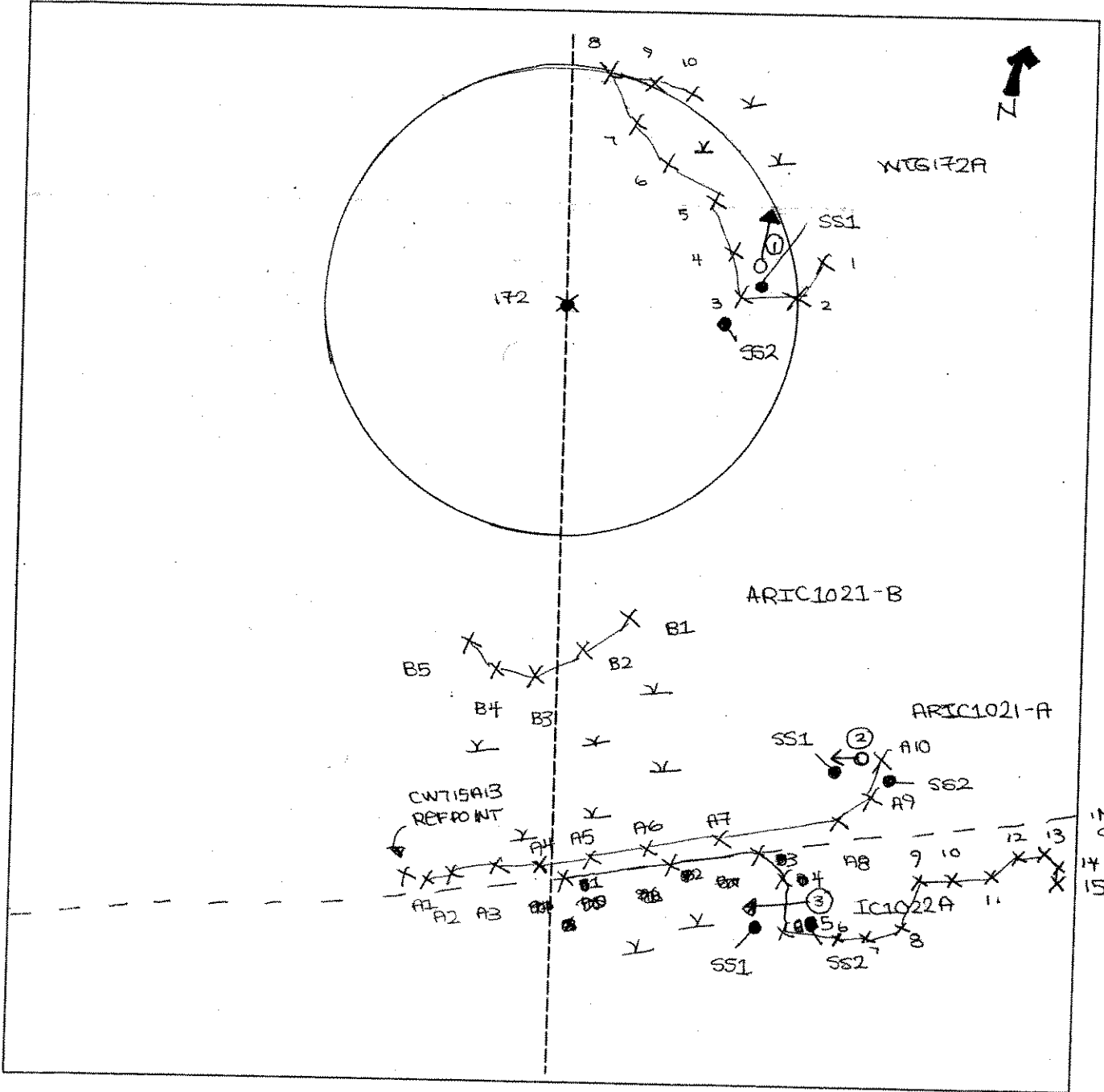
Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

ARIC1022A SKETCH FORM

Wetland ID/Route #: WGS172A ARIC1021 A/B		Date: 7/20/07	Time:
Initials of Delineators: BG / SC		Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 1 → NORTH // PHOTO 2 FACING WEST // PHOTO 3 FACING WEST		

FACING WEST



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/2/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">* <input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> NO</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> NO</td> </tr> </table>	* <input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> NO	Yes	<input checked="" type="radio"/> NO
* <input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> NO						
Yes	<input checked="" type="radio"/> NO						
Community ID: Transect ID: Plot ID: CW 715 C SS1							

and SS 2

**VEGETATION**

Plant Community Classification: PFO1/4 / PEM						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Betula populifolia	PFO 1/4	FAC	9.			
2. Acer rubrum	↓	FAC	10.			
3. Abies balsamiae	↓	FAC	11.			
4.			12.			
5. Eupatorium maculatus	PEM	FACW	13.			
6. Scirpus cyperinus	↓	FACW	14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):						
Remarks: Representative Plot Wetland is similar to CW 715 B SS1 + SS2						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <input checked="" type="checkbox"/>	
Remarks: Representative Plot	

Date: 8/2/06  
 Community ID:  
 Plot ID: CW 715 C SSI + SS2

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.

- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks: Soils similar to CW 715 B SSI + SS2

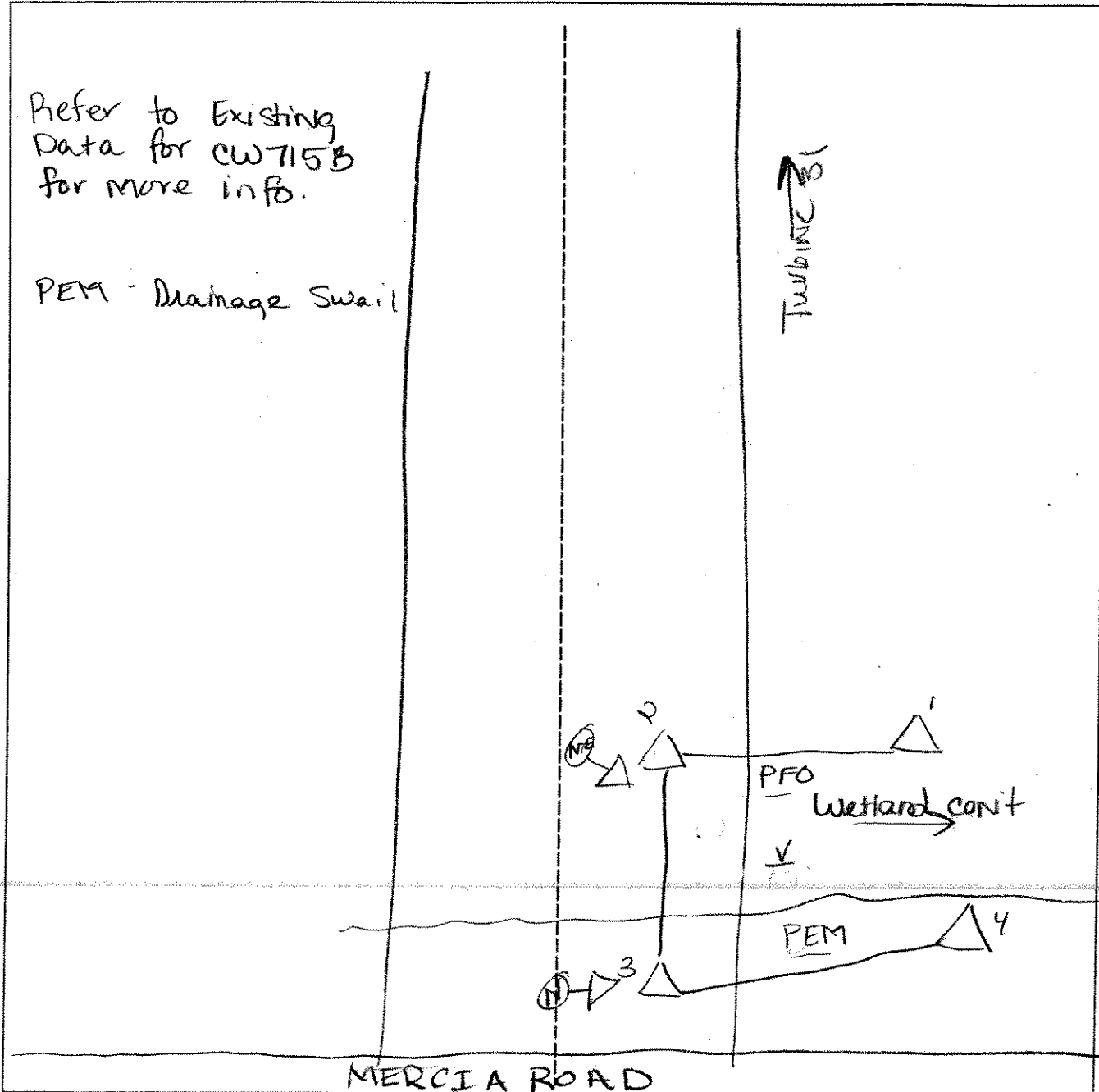
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks: UPL plot similar to CW 715 B SS2  
 Photo 29 - PEM to NW; PEM is more of a swale w/ stagnant water  
 30 - PFO 1/4 to N

SKETCH FORM

Wetland ID/Route #: CW715C	Date: 8-2-06	Time:
Initials of Delineators: SM JV	Location: IC/AR to turbine 31 from Mercia Rd.	
Roll #:	Frames: PEM 7 N	PFO => NE



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

→ N



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

20-15-06  
 Marble River

Project Site: <b>Marble River</b> Applicant/Owner: <b>Marble River LLC</b> Investigator:	Date: <b>5-21-06</b> County: <b>Clinton</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) <b>RJD JV</b>	Community ID: <b>Wetland</b> Transect ID: Plot ID: <b>JCB29A-551</b> <b>CW</b>

**VEGETATION**

Plant Community Classification: <b>PFO4</b> Percent Canopy Cover: Tree: <b>90%</b> , Shrub: <b>4%</b> , Herb: <b>6%</b> , Vine: <b>0%</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>N. Waterhemp</b>	<b>T/S</b>	<b>OBL</b>	9. <b>Sensitive Fern</b>	<b>H</b>	<b>FACW</b>
2. <b>B. Fir</b>	<b>T/S</b>	<b>FAC</b>	10. <b>Interrupted Fern</b>	<b>H</b>	<b>FAC</b>
3. <b>R. Maple</b>	<b>T/S</b>	<b>FAC</b>	11. <b>Sph Moss</b>	<b>H</b>	<b>OBLV</b>
4. <b>G. Birch</b>	<b>T</b>	<b>FAC</b>	12. <b>Caulisium</b>	<b>H</b>	<b>OBL</b>
5. <b>Yellow Birch</b>	<b>T</b>	<b>FAC</b>	13. <b>Carex sp. (2)</b>	<b>H</b>	<b>—</b>
6. <b>D. Aspen</b>	<b>T</b>	<b>FACW</b>	14. <b>Marsh Marigold</b>	<b>H</b>	<b>OBL</b>
7. <b>M. Sweet</b>	<b>S</b>	<b>FACW</b>	15. <b>Sweet Flag</b>	<b>H</b>	<b>OBL</b>
8. <b>S. Alder</b>	<b>S</b>	<b>FACW+</b>	16. <b>Un-identified Herb</b>	<b>H</b>	<b>—</b>
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>94%</b>					
Remarks: <b>Black Willow observed within site.</b> <b>* Not listed; presumed OBL.</b>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <b>6"</b> Depth to Free Standing Water in Pit (in.): <b>0</b> Depth to Saturated Soil (in.): <b>0</b>	Remarks: <b>water = 1/2 mts off</b>

Date: 5-2-06  
 Community ID: Wetland  
 Plot ID: TIC 829A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
-12 2-24	0	10YR-2/1			peat/organics
	0	5YR-4/1			
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: Photo # 4 => SW			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

90-157  
 027-4058-57

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD IV</u>	Date: <u>5-21-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>JL029A-552</u>

**VEGETATION**

CW

Plant Community Classification: Open fill area  
 Percent Canopy Cover: Tree: 0 Shrub: 5% Herb: 95% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>H.B. Pk. Fern</u>	<u>S</u>	<u>UPL</u>	9. <u>Cow Vetch</u>	<u>H</u>	<u>UPL</u>
2. <u>Pur. Sck</u>	<u>H</u>	<u>UPL</u>	10. <u>R. Arns Lace</u>	<u>H</u>	<u>UPL</u>
3. <u>Common Plantain</u>	<u>H</u>	<u>FACU</u>	11. <u>Late Winter Cress</u>	<u>H</u>	<u>FACU</u>
4. <u>Common Dandelion</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>	13.		
6. <u>W. Clover</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Grasses SP.</u>	<u>H</u>	<u>—</u>	15.		
8. <u>Yarrow</u>	<u>H</u>	<u>FACU</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators: <u>11: Inundated</u>          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data  <input checked="" type="checkbox"/> FAC-Neutral Test  <input checked="" type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u>          Depth to Free Standing Water in Pit (in.): <u>N/A</u>  <input checked="" type="checkbox"/> Depth to Saturated Soil (in.): <u>N/A</u></p>	
<p>Remarks:</p>	

Date: 5-21-06  
 Community ID: Upland  
 Plot ID: IC 829A-582

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-4/2			Sandy Clay loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

Refusal @ 10" - Fill material

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

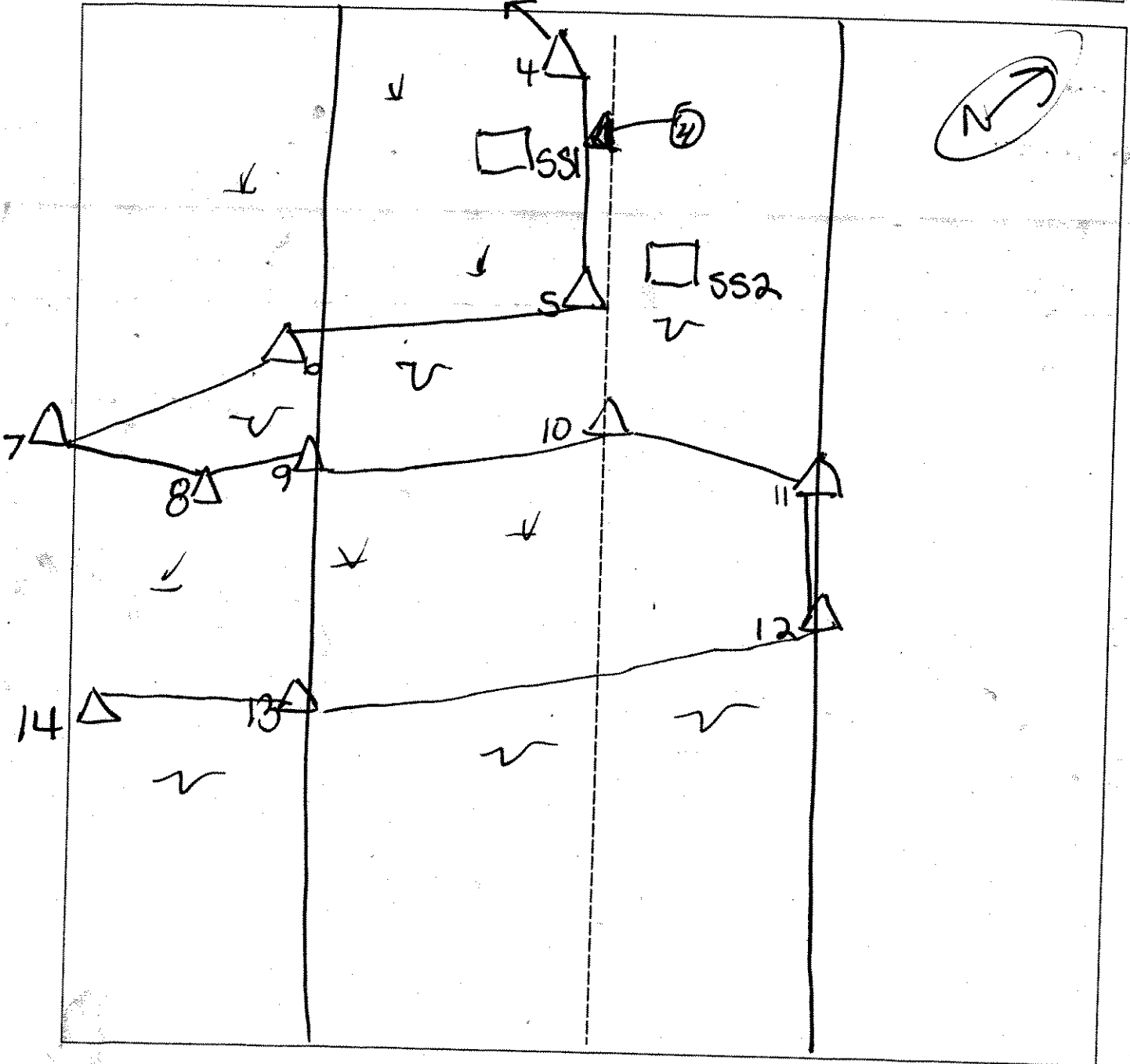
Is this Sample Station Point Within a Wetland? Yes  No

Remarks

CW

SKETCH FORM

Wetland ID/Route #: IC829A		Date: 5.21.06	Time:
Initials of Delineators: RJD JV		Location: Crane Walk to WTC-83+42	
Roll #:	Frames:	4 => SW	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

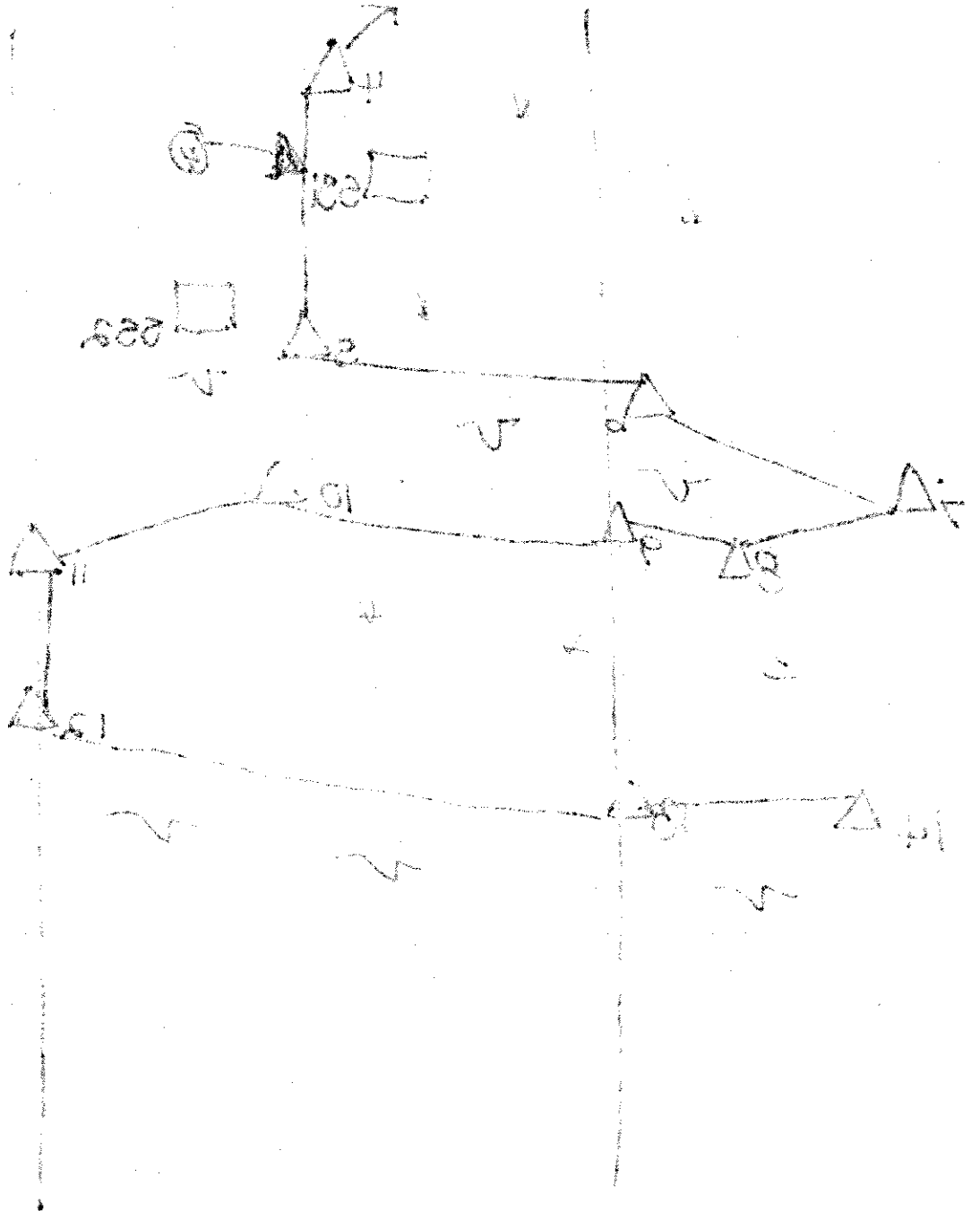
2.21.00

100000

(Scale 1:100000)

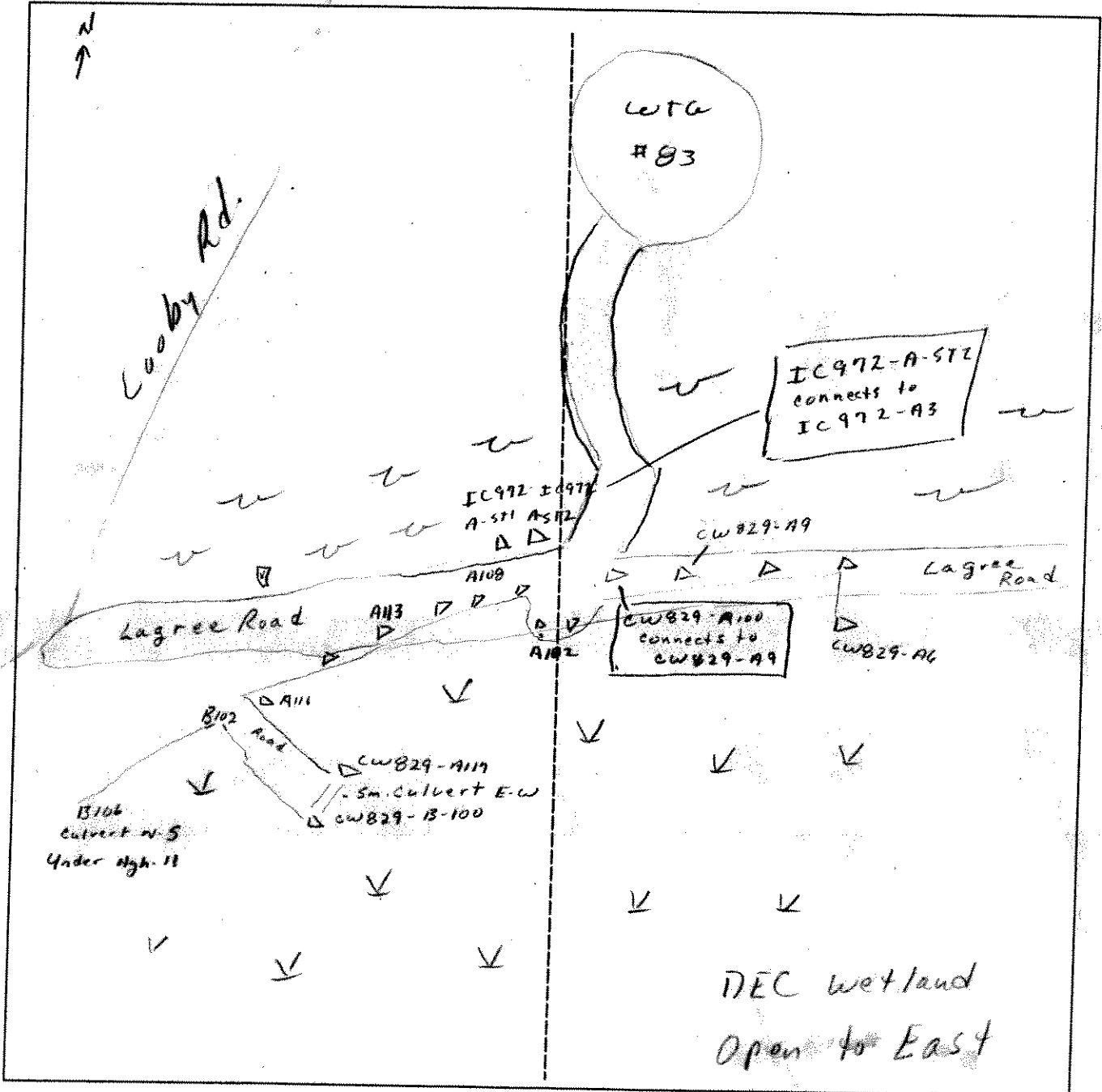
RS 20

N = 320



SKETCH FORM

Wetland ID/Route #: CW829	Date: 9/13/06	Time: 12:00pm
Intials of Delineators: DR/JV	Location: Lagree Road East to WTA #83	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Clinton Canyon W/Stream</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>R. DeArmitt</u>	Date: <u>11/2/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>W02011</u> Transect ID: <u>AR 500A</u> Plot ID: <u>551</u>

**VEGETATION**

PFO/PSS

Plant Community Classification: Percent Canopy Cover: Tree: <u>30%</u> Shrub: <u>60%</u> Herb: <u>80%</u> Vine: <u>55%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Purple Stemmed Maple</u>	<u>H</u>	<u>OBL</u>
2. <u>STATE willow</u>	<u>S</u>	<u>FACW</u>	10. <u>Virginia Creeper</u>	<u>✓</u>	<u>FAC</u>
3. <u>ELDER</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>SPRICKED AINCE</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>scrubby fern</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Whorl sp.</u>	<u>S</u>	<u>unknown</u>	14.		
7. <u>meadow sweet</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>narrow leaved willow</u>	<u>Herb H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>note: LEADYWOODS TREES &amp; SHRUBS &amp; SOME CAT HERBS.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>up to 2' in places</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	



Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-14"	A	7.5YR 2.5/1	—	—	Silt, CLAY LOAM
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: * RETURN OF Aqca AT 14"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Windsor</i>	Date: <i>11/2/05</i>
Applicant/Owner: <i>MCCORMACK</i>	County: <i>Clinton</i>
Investigator: <i>TAK</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>UP1A1</i> Transect ID: <i>ARROWAITS</i> Plot ID: <i>SS2</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *OPEN COW PASTURE & TREE ROW*

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: *15%* Shrub: *10%* Herb: *100%* Vine: *0%*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grass hick</i>	<i>T/S</i>	<i>FAC</i>	9. <i>PATRUSH</i>	<i>H</i>	<i>FAC</i>
2. <i>Meadow Sweet</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Grass sp</i>	<i>H</i>	<i>unknown</i>	11.		
4. <i>Watercup</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Common platan</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Fall geranium</i>	<i>H</i>	<i>CPL*</i>	14.		
7. <i>R. stemm</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Arrow</i>	<i>H</i>	<i>FAC</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *44%*

Remarks: *\*not used*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/3	—	—	Silt loam
10-8	B	10YR 4/4	—	—	Silt loam

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input type="radio"/>	
Hydric Soils Present?	Yes	No <input type="radio"/>	

Remarks



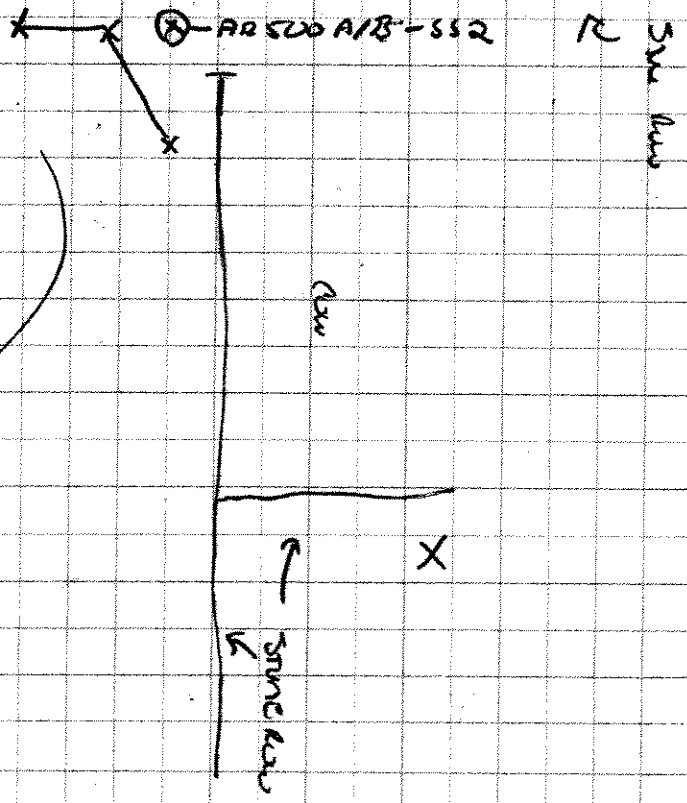
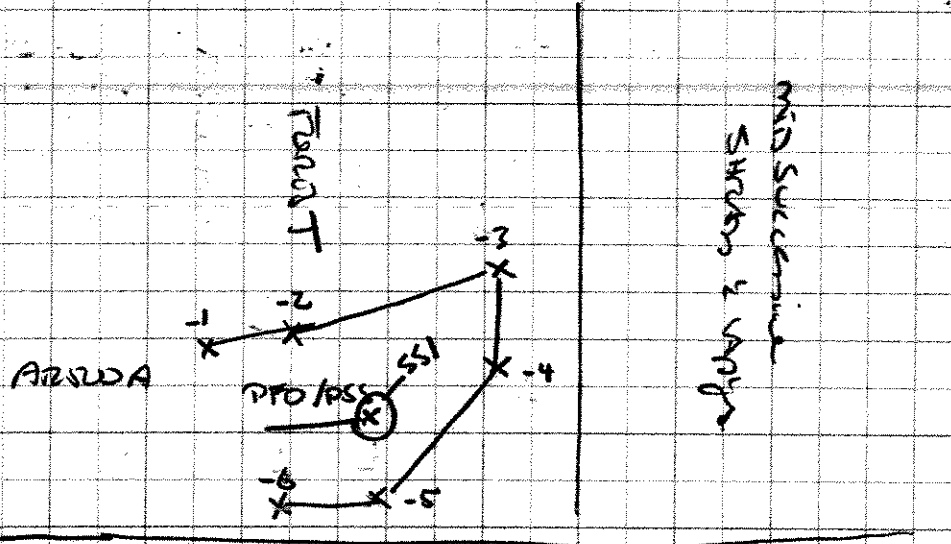
TETRA TECH

SUBJECT Clinton Cash  
with friend  
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT Human  
TC/P NO. \_\_\_\_\_  
DATE 1/2/05 PAGE 3 OF 3 PAGES

START W/ ARSUA

ARSUA - TARGETS WORLD

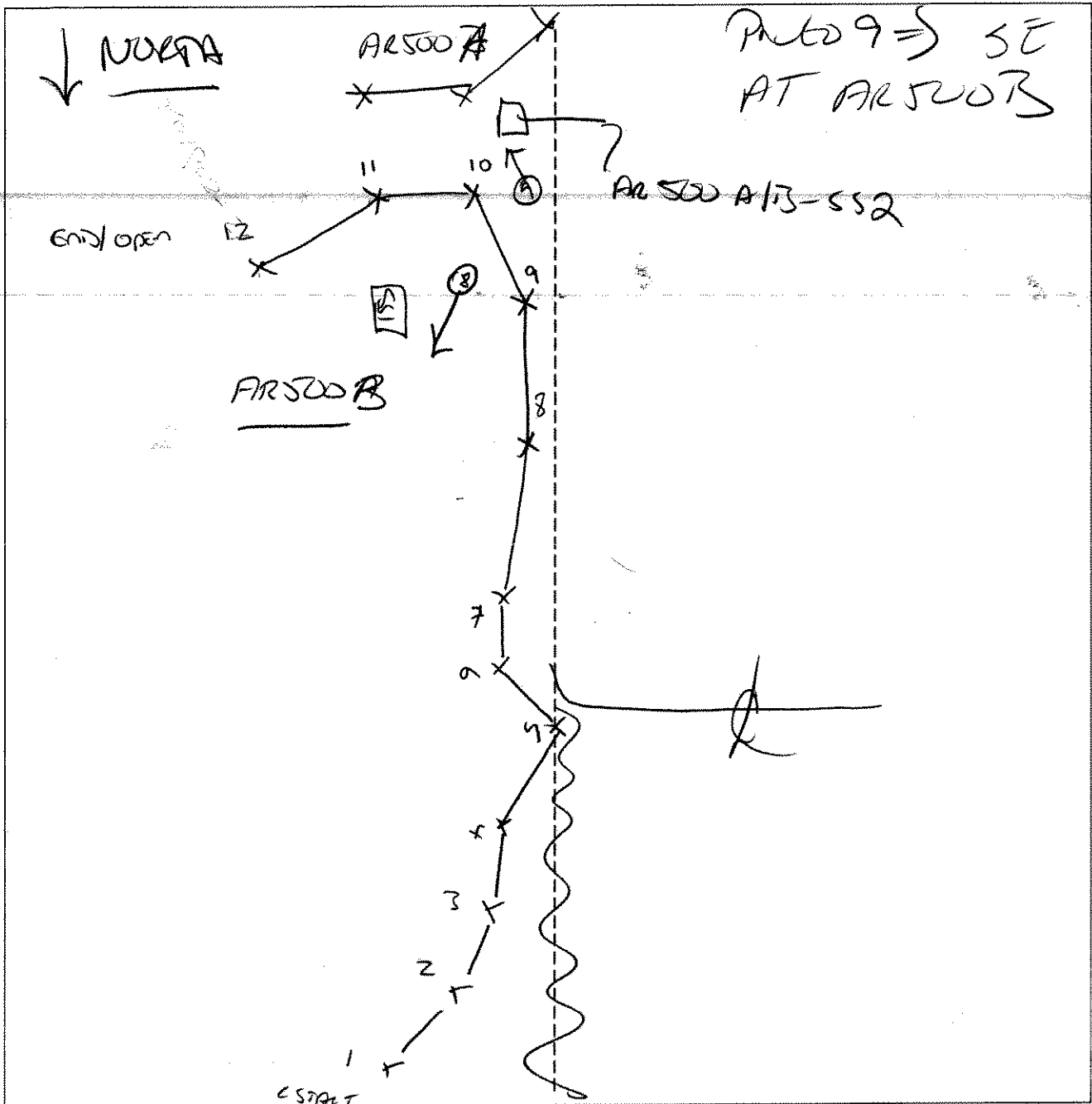


According to MK  
King this is his  
compiled - but he  
was not printed  
it in a few (2)  
years.

No evidence of  
Recent Ar use by  
KSYM

SKETCH FORM

Wetland ID/Route #: <u>AR500 A/B</u>	Date: <u>11/3/05</u>	Time: <u>1400</u>
Initials of Delineators: <u>(187)</u>	Location: <u>King project</u>	
Roll #: <u>X</u>	Frames: <u>photo 8 ⇒ NNE AT AR500A ?</u>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD</u>	Date: <u>11/04/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>NR502-A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM10W</u>					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Silky Willow</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Red Osier dogwood</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Meadow Sweet</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Beak Willow</u>	<u>S</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

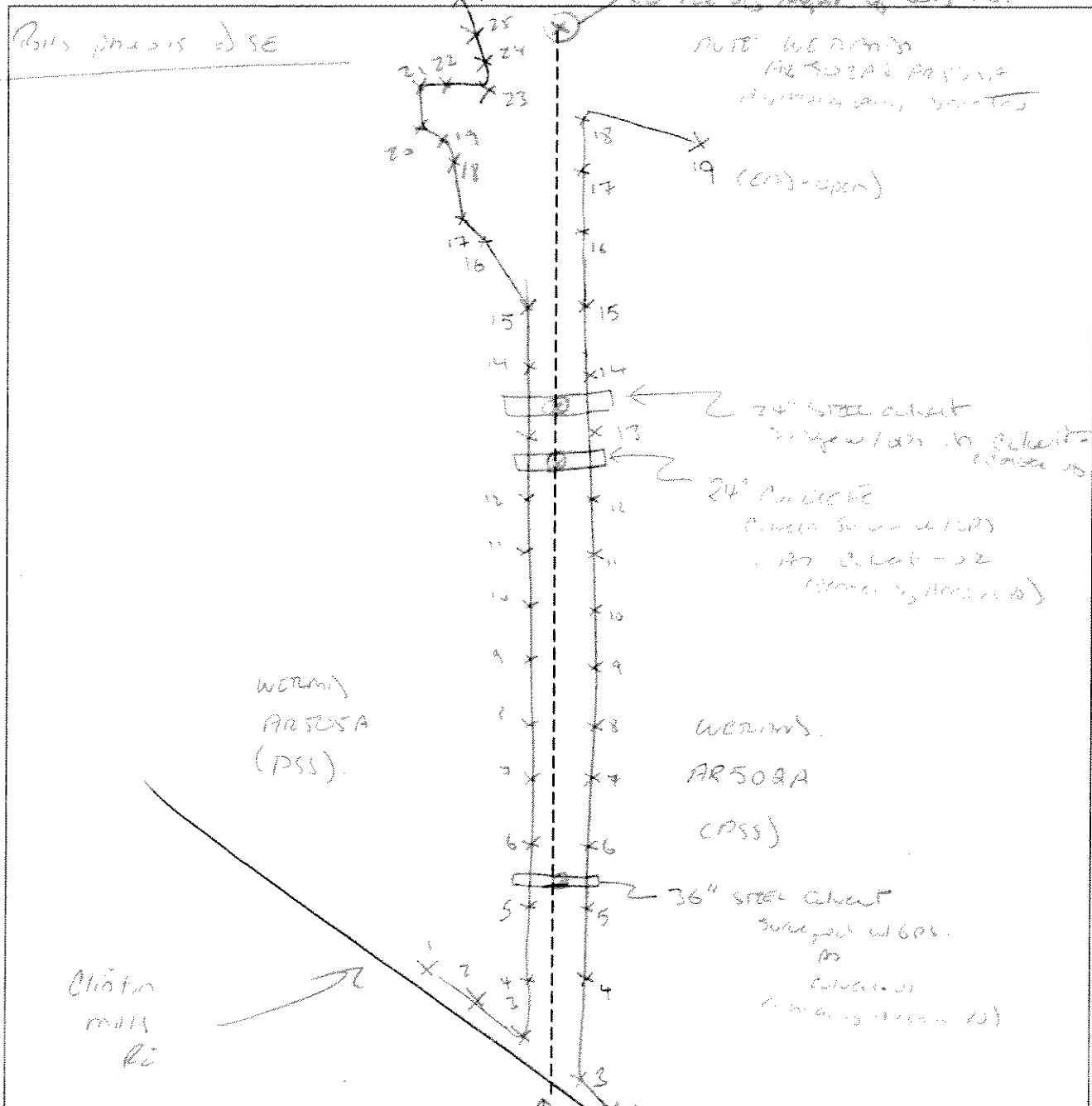
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <u>in areas</u> <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



SKETCH FORM

Wetland ID/Route #: AR502A / AR505A		Date: 11/4/05	Time: 1400
Initials of Delineators: [Signature]		Location: Dick CLE Railroad	
Roll #: *	Frames: 15	Right-of-Way	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PSS</u> Transect ID: <u>wetland</u> Plot ID: <u>AR505A <del>B</del> SSI</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>85%</u> Herb: <u>95%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>	9.		
2. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	10.		
3. <u>Moss sp.</u>	<u>H</u>	<u>—</u>	11.		
4. <u>Reed Canary Grass</u>	<u>H</u>	<u>FAC</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-7-06  
 Community ID: Wetland  
 Plot ID: AR505A ~~SS1~~ SS1

**SOILS**

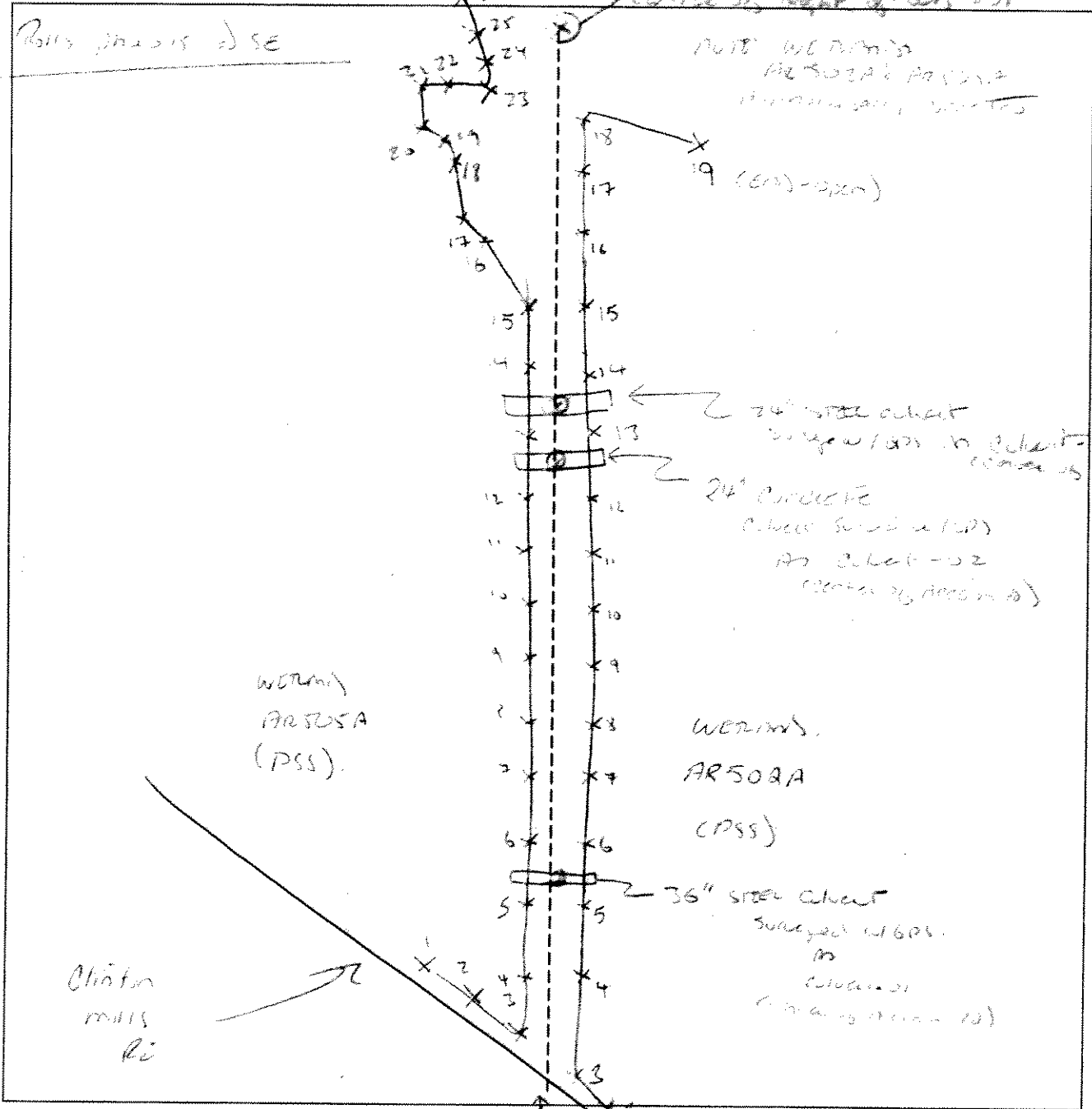
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	—	—	—	Organic w/roots
3-12	A1	7.5YR-2.5/1	—	—	Silt w/roots
12-18	A2	7.5YR-2.5/1	—	—	Silt w/peat inclusions
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
Photo 1 => S			

SKETCH FORM

Wetland ID/Route #: AR503A / AR505A		Date: 11/4/05	Time: 1400
Initials of Delineators: (Signature)		Location: Dick CLE (Railroad)	
Roll #: X	Frames: 15	Right-of-Way	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH N</i>	Date: <i>5-7-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: <i>Upland</i> Plot ID: <i>AR505 A-B-SS2</i>

**VEGETATION**

Plant Community Classification: <i>Grasses along roadside</i>					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grass sp</i>	<i>H</i>	<i>-</i>	9.		
2. <i>Dandelion</i>	<i>H</i>	<i>FACU-</i>	10.		
3. <i>reed canopy grass</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>Milkweed</i>	<i>H</i>	<i>UPL</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>upland point taken on old rail-road bed - soils are all fill</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 5-7-06  
 Community ID: Clinton  
 Plot ID: AR505A/B-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1	-	-	Sandy Loam w/ roots
6-10	A	10YR-4/3	-	-	Sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>JKH, JV</i>	Date: <i>5/7/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: <i>PSS10W/PFO</i> Plot ID: <i>AR505A-553</i>

**VEGETATION**

Plant Community Classification: <i>PSS/PFO1/W</i>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Populus tremuloides</i>	S	FACW	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>Carex sp</i>	A	-	12.		
5. <i>Reed Canary Grass</i>	H	FACW	13.		
6. <i>Juncus effusus</i>	H	FACW	14.		
7. <i>Iris Blue Flag</i>	OBL/H	OBL	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>6"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	Remarks: <i>pit # 3 looks s @ 553</i>

Date: 5-7-06  
 Community ID: Wetland  
 Plot ID: AR505A SSB

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	7.5YR-2.5/2			thick part/organic
6-10	A <sub>1</sub>	10YR-2/1			sand loam/roots
10-12	A <sub>2</sub>	10YR-5/1	10YR-5/6	Common/coarse/faint	Sandy/silt

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Refusal at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

- wetland next to old RRR bed  
 - beaver activity in wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>HORIZON Wind Power LLC</u> Investigator: <u>LSH, JV</u>	Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>AR505A NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: <u>Upland</u> Plot ID: <u>AR505A SSA</u>

**VEGETATION**

Plant Community Classification: Slightly forested (red maples) / mowed grassland along road  
 Percent Canopy Cover: Tree: 10 Shrub: 30 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Populus tremuloides</u>	<u>S</u>	<u>FACU</u>	10.		
3. <u>Strawberry</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Golden Rod sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Grass sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>red canopy grass</u>	<u>H</u>	<u>FACW+</u>	14.		
7. <u>Pandelium</u>	<u>H</u>	<u>FACU-</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 40%

Remarks: old RR bed, fill soils

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 5/7/06  
 Community ID: upland  
 Plot ID: AR 505A-554

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-2/1			silt sand
2-18	Ap	2.5Y-4/3			sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Ap backfill soil/sand used for RR bed

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>HORIZON Wind Power LLC</u> Investigator: _____	Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>W1PSS</u> Transect ID: <u>Wetland</u> Plot ID: <u>AR505B-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: _____ Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Silly willow</u>	<u>S</u>	<u>OBL</u>	9.		
2.	<u>S</u>		10.		
3. <u>Speckled Alder</u>	<u>S</u>	<u>FACW+</u>	11.		
4. <u>Red Canary Grass</u>	<u>H</u>	<u>FACW+</u>	12.		
5. <u>Coat tails</u>	<u>H</u>	<u>OBL</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-7-06  
 Community ID: Wetland  
 Plot ID: AR505B-SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	O/A <sub>1</sub>	7.5YR-2/1			Silt loam / roots
12-14	O/A <sub>2</sub>	7.5YR-2.5/1			Sandy loam
14-18	O/A <sub>3</sub>	7.5YR-2.5/1			Silt loam / peat inclusions

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: pit #2 looks like ssi

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Uproadside</u> Transect ID: <u>Upland</u> Plot ID: <u>AR505B SSA</u>

**VEGETATION**

Plant Community Classification: <u>roadside grasses</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grass sp</u>	<u>H</u>	<u>—</u>	9.		
2. <u>reed canopy</u>	<u>H</u>	<u>FACW F</u>	10.		
3. <u>strawberry</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>willow</u>	<u>H</u>	<u>FACV *</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-7-06  
 Community ID: Road side  
 Plot ID: AR505B-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR-3/1			Sand loam / roots
2-18	Ap	7.5YR-2.5/1			sand loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Soils very sandy, not saturated - composed of mostly fill from RRA bed. I called the fill an Ap layer

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Masble River</i> Applicant/Owner: <i>Horizon wind power LLC</i> Investigator: <i>KAH, JV</i>	Date: <i>5/7/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AA505B-553</i>

**VEGETATION**

Plant Community Classification: <i>PSS/PFD1</i>					
Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>90</i> Herb: <i>90</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>T</i>	<i>PTC</i>	9.		
2. <i>speckled Alder</i>	<i>S</i>	<i>FACW+</i>	10.		
3. <i>red Cowory grass</i>	<i>H</i>	<i>FACW+</i>	11.		
4. <i>Carex sp</i>	<i>H</i>	<i>—</i>	12.		
5. <i>fern sp.</i>	<i>H</i>	<i>—</i>	13.		
6. <i>Canada Mayflower</i>	<i>H</i>	<i>FAC-</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5/7/06  
 Community ID: wetland  
 Plot ID: AA 505 B-553

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	B	7.5YR-2.5/1			organics/silt w/ roots
3-18	A	10YR-2/1			silt clay/roots

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

pit #4 looks N @ 553

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH, JV</i>	Date: <i>5/7/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR 505B-554</i>

**VEGETATION**

Plant Community Classification: <i>Grassland along road</i> Percent Canopy Cover: Tree: <i>5</i> Shrub: <i>5</i> Herb: <i>100</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Populus tremuloides</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Rubus sp.</i>	<i>S</i>	<i>—</i>	11.		
4. <i>Grass sp</i>	<i>H</i>	<i>—</i>	12.		
5. <i>Golden rod sp</i>	<i>H</i>	<i>—</i>	13.		
6. <i>Strawberry</i>	<i>H</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	



Date: 5/7/06  
 Community ID: upland  
 Plot ID: AR 505B-554

**SOILS**

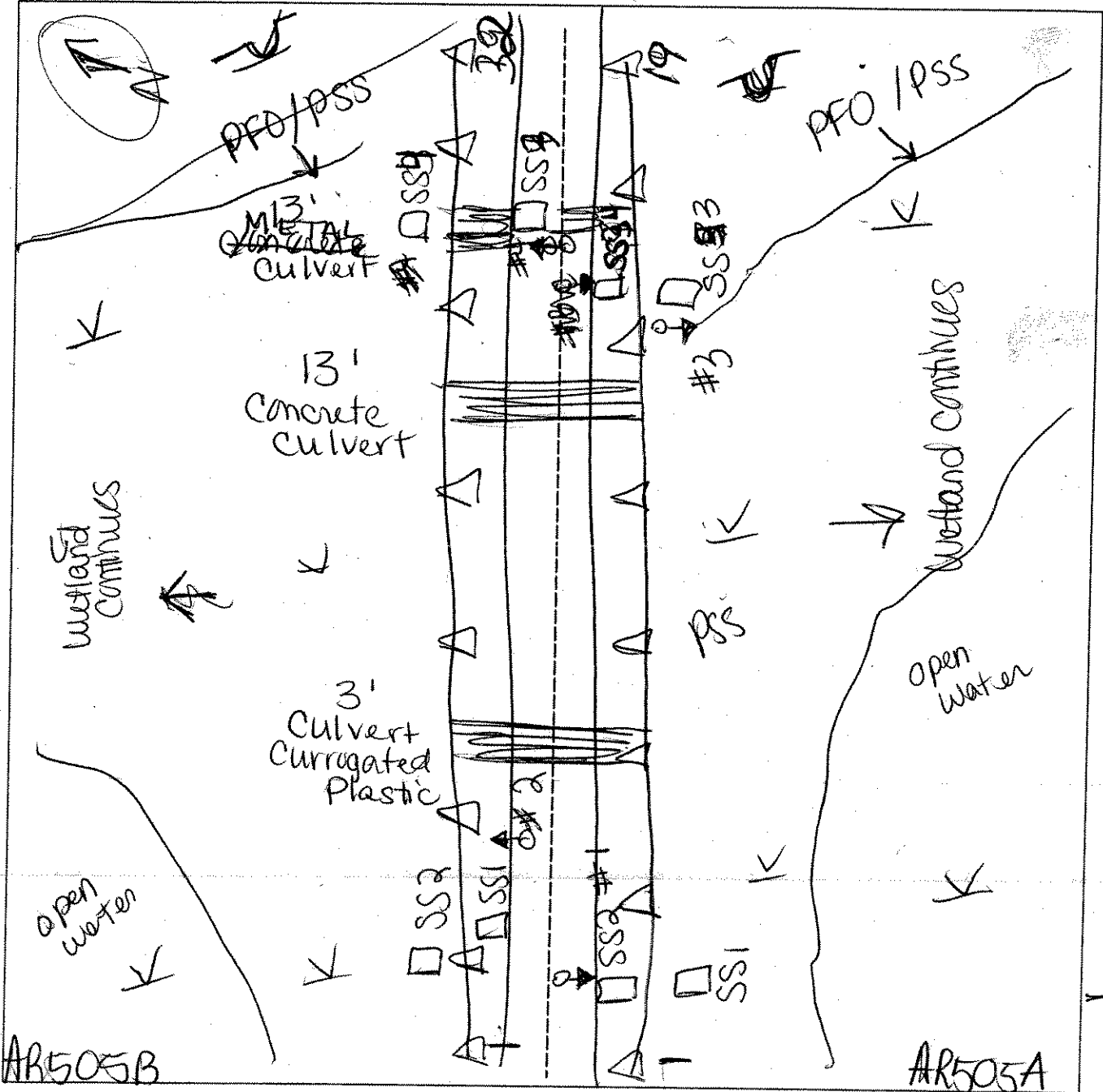
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-2/1			silt sand
3-6	A	10YR-3/2			silt sand
6-18	A <sub>1</sub>	10YR-4/3			silt sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: sandy soil on old AR bed					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	
Remarks: Atypical soils - old fill used for AR bed - not hydric			

SKETCH FORM

Wetland ID/Route #: AR 505A/B	Date: 2-7-06	Time:
Initials of Delineators: KH N	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power</u> Investigator: <u>RH JV</u>	Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PSS/PEM/OW</u> Transect ID: Plot ID: <u>AR5006/B-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM/OW</u>					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Speckled Alder</u>	<u>S</u>	<u>FACW+</u>	9.		
2. <u>Olefly Birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Bled Canary Grass</u>	<u>H</u>	<u>FACW+</u>	11.		
4. <u>Sphagnum sp.</u>	<u>H</u>	<u>OBL*</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>NO 1.</u>					
Remarks:  <u>* Not listed; Assumed OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:  <u>Photo #10/N</u>	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Maule River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-7-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>AR 506B-55a</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous Forest</u> Percent Canopy Cover: Tree: <u>90%</u> , Shrub: <u>20%</u> , Herb: <u>10%</u> , Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <del><u>Prunus nigrescens</u></del>	<del><u>T</u></del>		10.		
3. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU-</u>	11.		
4. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Canada May Flower</u>	<u>S</u>	<u>FAC-</u>	13.		
6. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Clubmoss sp</u>	<u>H</u>	<u>---</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5-7-06  
 Community ID: Upland  
 Plot ID: 506B-852

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			Silt loam
2-10	A <sub>1</sub>	10YR 5/3	10YR 5/6	Few/Coarse/Distinct	Sandy silt
12-18	A <sub>2</sub>	2.5Y 5/3	10YR 5/8	Few/Fine/Faint	Sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Redox features with chroma 3. Not hydric

**WETLAND DETERMINATION**

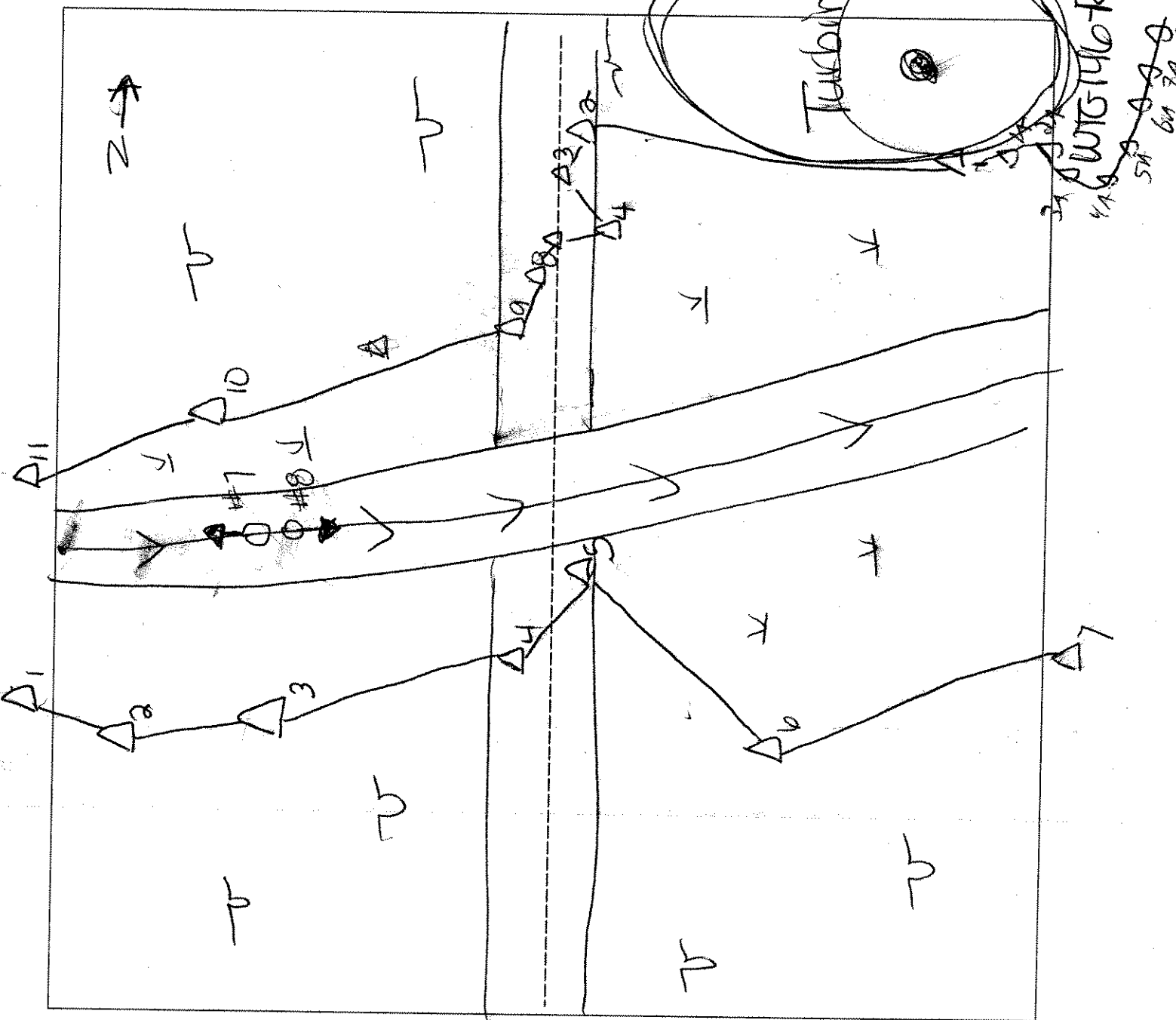
Hydrophytic Vegetation Present? Wetlands Hydrology Present? Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
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Remarks

AR506, OH1206

SKETCH FORM

Wetland ID/Route #: AR506A/B + AR506-ST		Date: 5-7-06	Time:
Initials of Delineators: KHJV		Location: Between turbines MW-R +147	
Roll #: KH	Frames: 6, 7, 8		

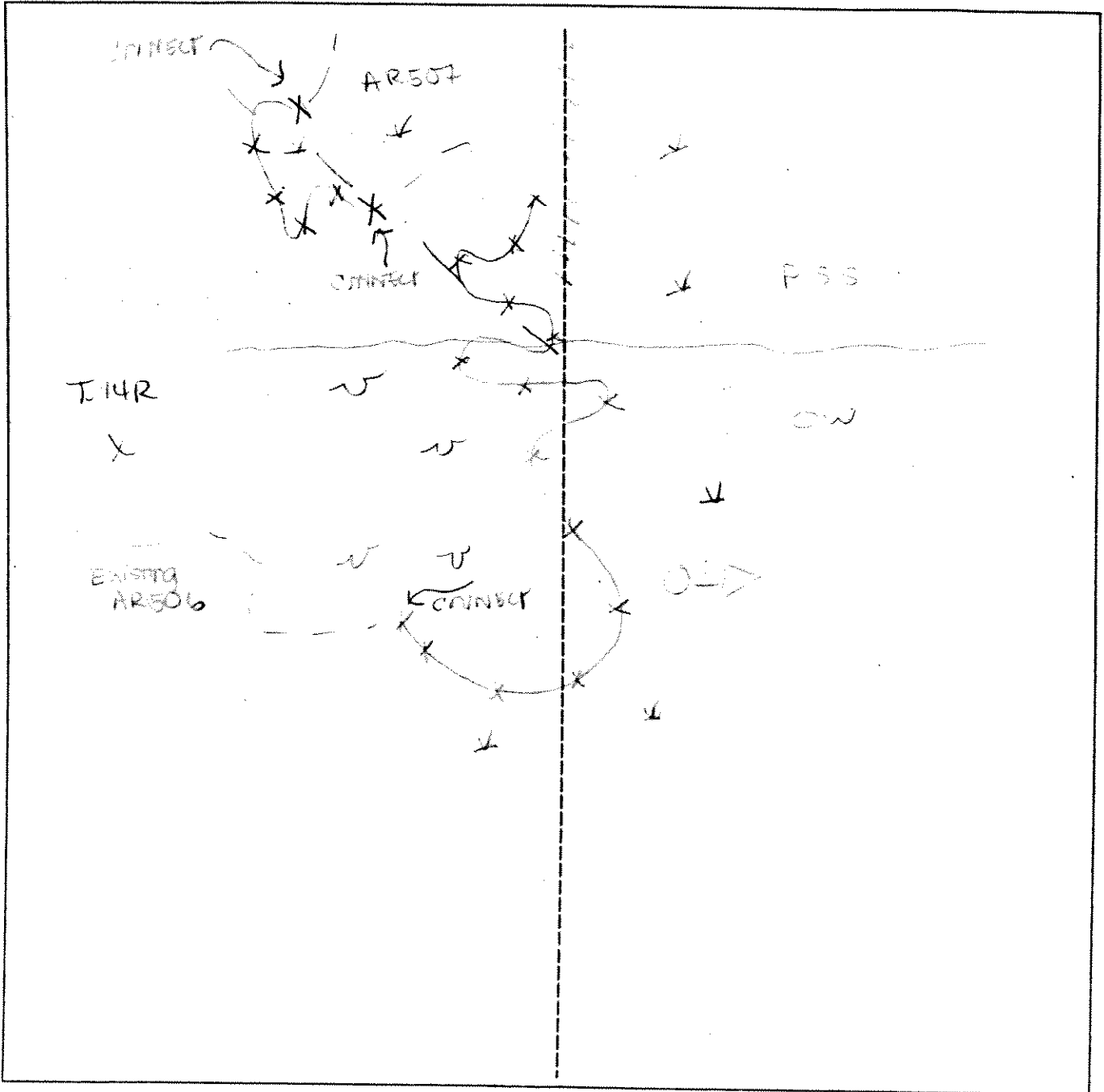


**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: AR506 + AR507		Date: 7/7/06	Time: 9:00
Initials of Delineators: JB JV		Location: OH From RR tracks to LaF	
Roll #:	Frames:		

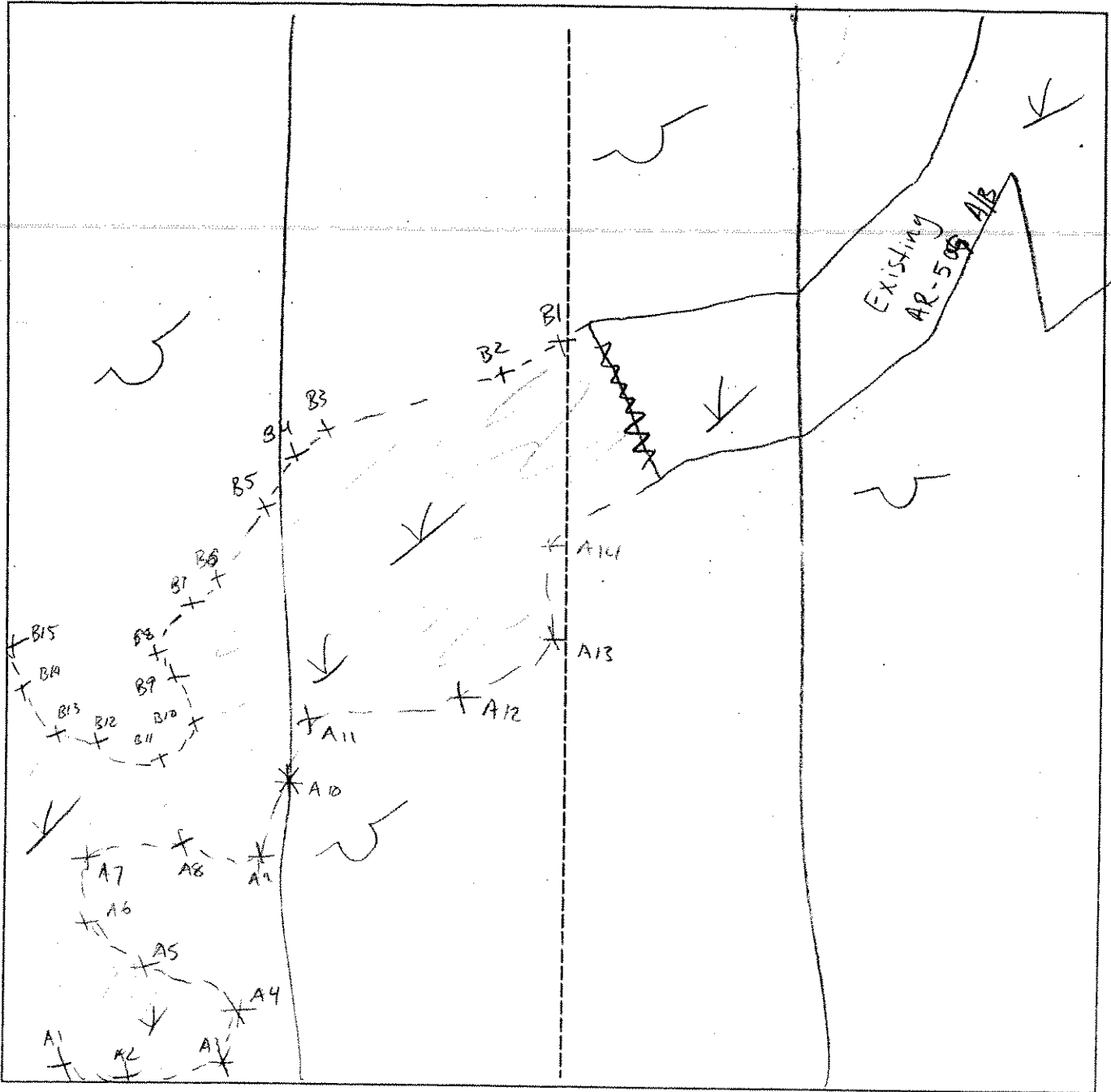


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: AR-506 A/B OH-1206 A/B		Date: 8-25-06	Time:
Initials of Delineators: PF, AG, JV, DO		Location: Marble River LLC	
Roll #:	Frames:		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD	Date: 11/7/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: AR507-A-SS1

**VEGETATION**

Plant Community Classification: PSS/PEM					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Speckled Alder	S	FACW	9.		
2. Gray Birch	S	FAC	10.		
3. Grass sp.	H	—	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: Hydro indicators not identified on field notes	

Date: 11/7/06  
 Community ID:  
 Plot ID: AR507-A-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.

- Hydro Soil Indicators**
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Not collected

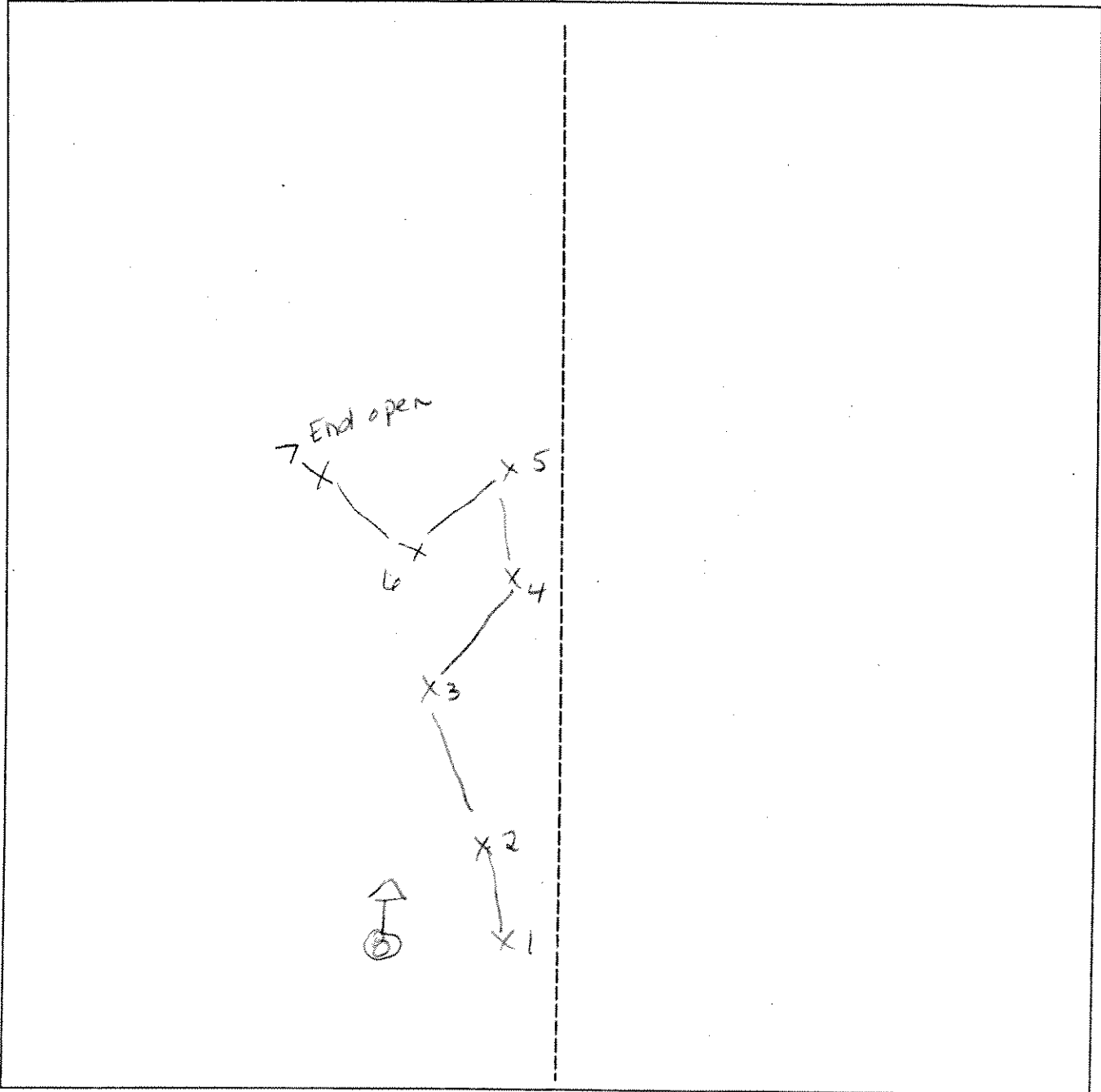
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks

SKETCH FORM

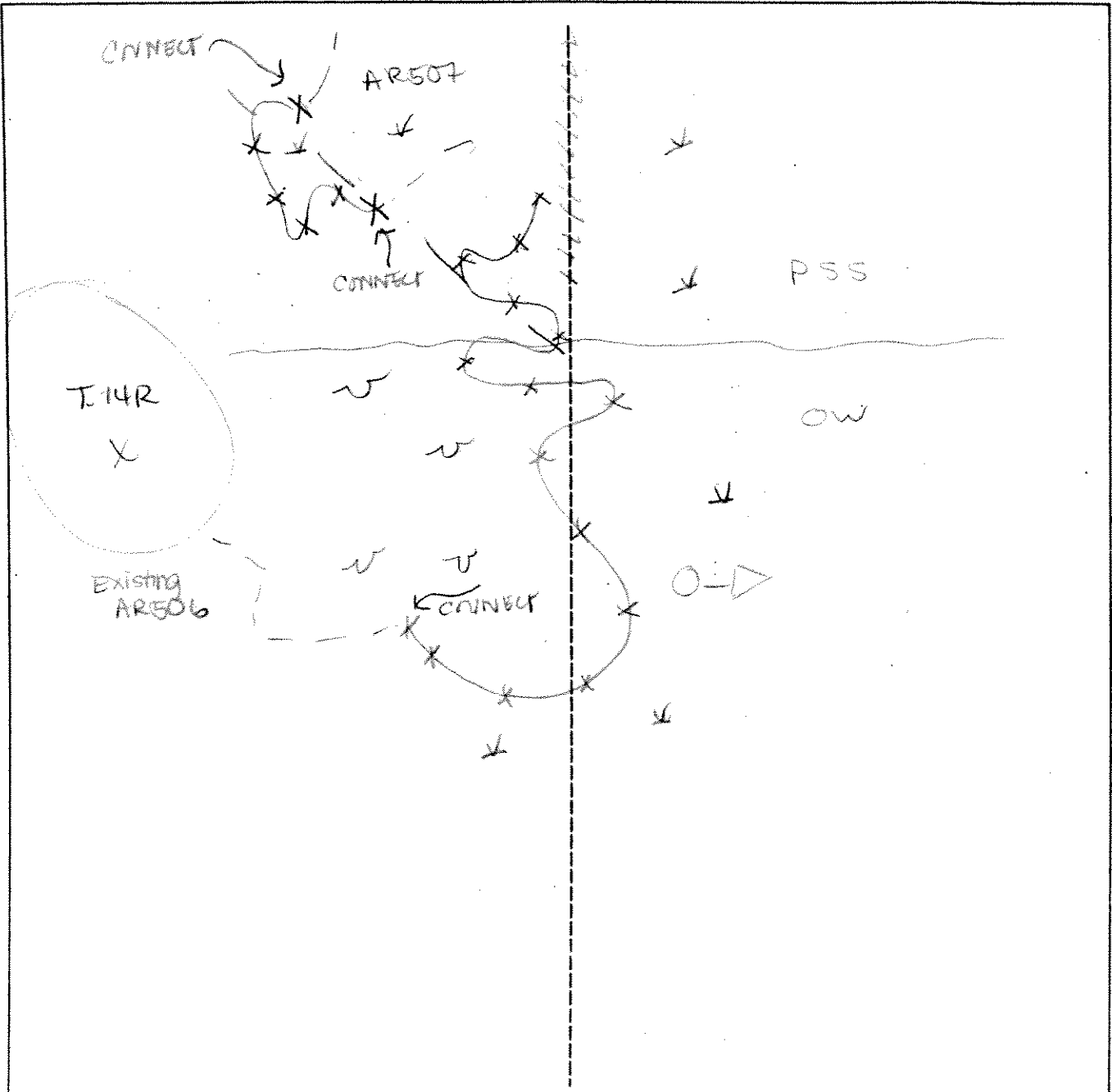
Wetland ID/Route #: AR507-A	Date: 11/7/06	Time: 1600
Initials of Delineators: RJD	Location: AR @ RR tracks off C. Mills Rd	
Roll #: #8 => SW @ AR507A	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**SKETCH FORM**

<b>Wetland ID/Route #:</b> OH1356 + AR506 + AR507		<b>Date:</b> 11/7/06	<b>Time:</b> 900
<b>Initials of Delineators:</b> JB JV		<b>Location:</b> OH From RR tracks to LaFayette	
<b>Roll #:</b>	<b>Frames:</b>		



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FOR  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP.	Date: 5/11/07 County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	<input type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	<input checked="" type="radio"/>								
Yes	<input type="radio"/>								
Community ID: PSS Transect ID: Plot ID: AR507 A S51									

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: <5 Shrub: 80 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	S	FACW	9.		
2. <i>Betula papyrifera</i>	S	FAC	10.		
3. <i>Saxifraga tomentosa</i>	S	FACW	11.		
4. <i>Sphagnum</i> > 50%	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):                  ___ Stream, Lake, or Tide Gauge                  ___ Aerial Photographs                  ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <p>Secondary Indicators (2 or more required):</p> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<p>Field Observations:</p> <p>Depth of Surface Water (in.): Surface</p> <p>Depth to Free Standing Water in Pit (in.): 1"</p> <p>Depth to Saturated Soil (in.): 0"</p>	
<p>Remarks:</p>	

Date: 5/11/07  
 Community ID: Wetland SS1  
 Plot ID: AR507A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	D	10YR 2/1			Silt loam, litter
4-8	A	10YR 4/1			clay loam
8-12	A1	10YR 4/2	10YR 5/1	few, fine	clay

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks	Photo 3 = NE DEC WL	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/11/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPL</i> Transect ID: Plot ID: <i>AR507A SSA</i>

**VEGETATION**

*EXT*

Plant Community Classification: <i>Mixed deciduous</i>					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>40</i> Herb: <i>35</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. rubrum</i>	T	FAC	9.		
2. <i>Drumus Serotina</i>	T	FACU	10.		
3. <i>Opulus tremuloides</i>	T	FACU	11.		
4. <i>Viburnum lentago</i>	S	FAC	12.		
5. <i>Serotina</i>	S	FACU	13.		
6. <i>Maianthemum Canadensis</i>	H	FAC	14.		
7. <i>Fragaria</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>250%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 5/11/07  
 Community ID: UPL  
 Plot ID: AR507A 552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	D	5YR 2.5/2			
3-12	A	10YR 2/1	10YR 5/3	distinct, few, med	Clay lam
12-16	B	10YR 5/3			2-4 clay lam

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Organic Streaking in B horizon

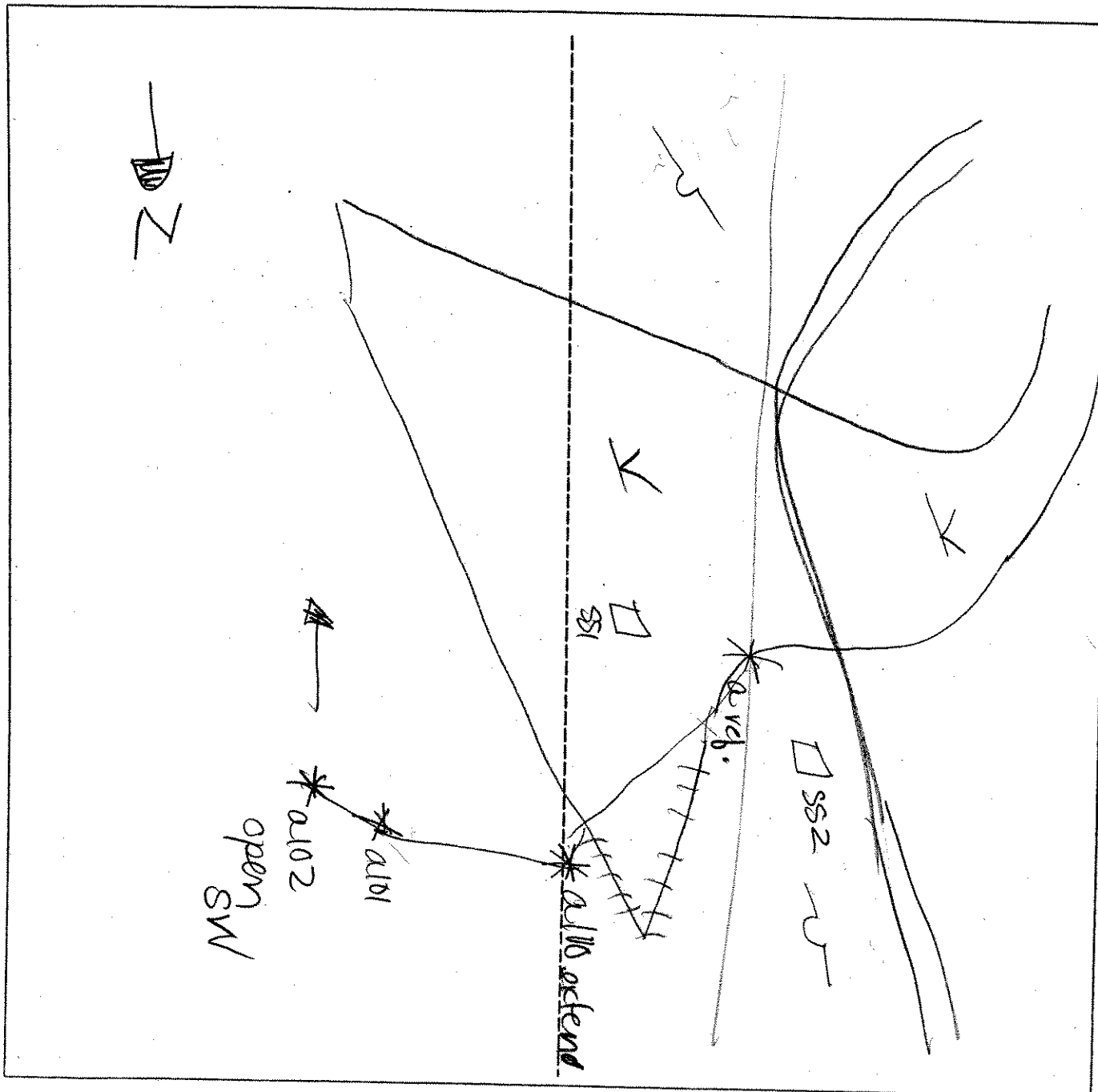
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks: Area is beginning to be logged

SKETCH FORM

Wetland ID/Route #: <b>AR507 EXTENSION</b>	Date: <b>11 May 07</b> Time:
Initials of Delineators: <b>UV AP</b>	Location:
Roll #:	Frames:



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJ</u>	Date: <u>5-9-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR508A/BSS1</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM</u> Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>30</u> Herb: <u>90</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Sphagnum moss</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Clubmoss sp.</u>	<u>H</u>	<u>←</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Evidence of logging <sup>through</sup> Soil Station area</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2"</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date: 5-9-06  
 Community ID: wetland  
 Plot ID: AR508N/SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6 6-10	O/A E	10YR 5/2	10YR 3/4	many coarse/faint	peat/organics silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of auger 10 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: picture #4 looks NW			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind power LLC</i> Investigator: <i>BSH JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AA508.MB SSA</i>

**VEGETATION**

Plant Community Classification: <i>Deciduous Forest</i>					
Percent Canopy Cover: Tree: <i>85</i> Shrub: <i>15</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula papyrifera</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Big Topak Aspen</i>	<i>T</i>	<i>FACU-</i>	10.		
3. <i>Acer rubrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Tree like club moss</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Low bush blueberry</i>	<i>H</i>	<i>FACU-</i>	13.		
6. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>Moss sp</i>	<i>H</i>	<i>-</i>	15.		
8. <i>Canada Muskthorn</i>	<i>H</i>	<i>FAC-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>29%</i>					
Remarks: <i>Evidence of logging in area around soil station</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>NA</i>  Depth to Free Standing Water in Pit (in.): <i>10</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5/9/06  
 Community ID: Upland  
 Plot ID: AR508 A/B SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O/A	10YR-2/1			Silt loam
2-6	A/E	10YR-2/2			silt sand
6-12	B	7.5YR-3/3			clay loam


Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of auger 12 inches

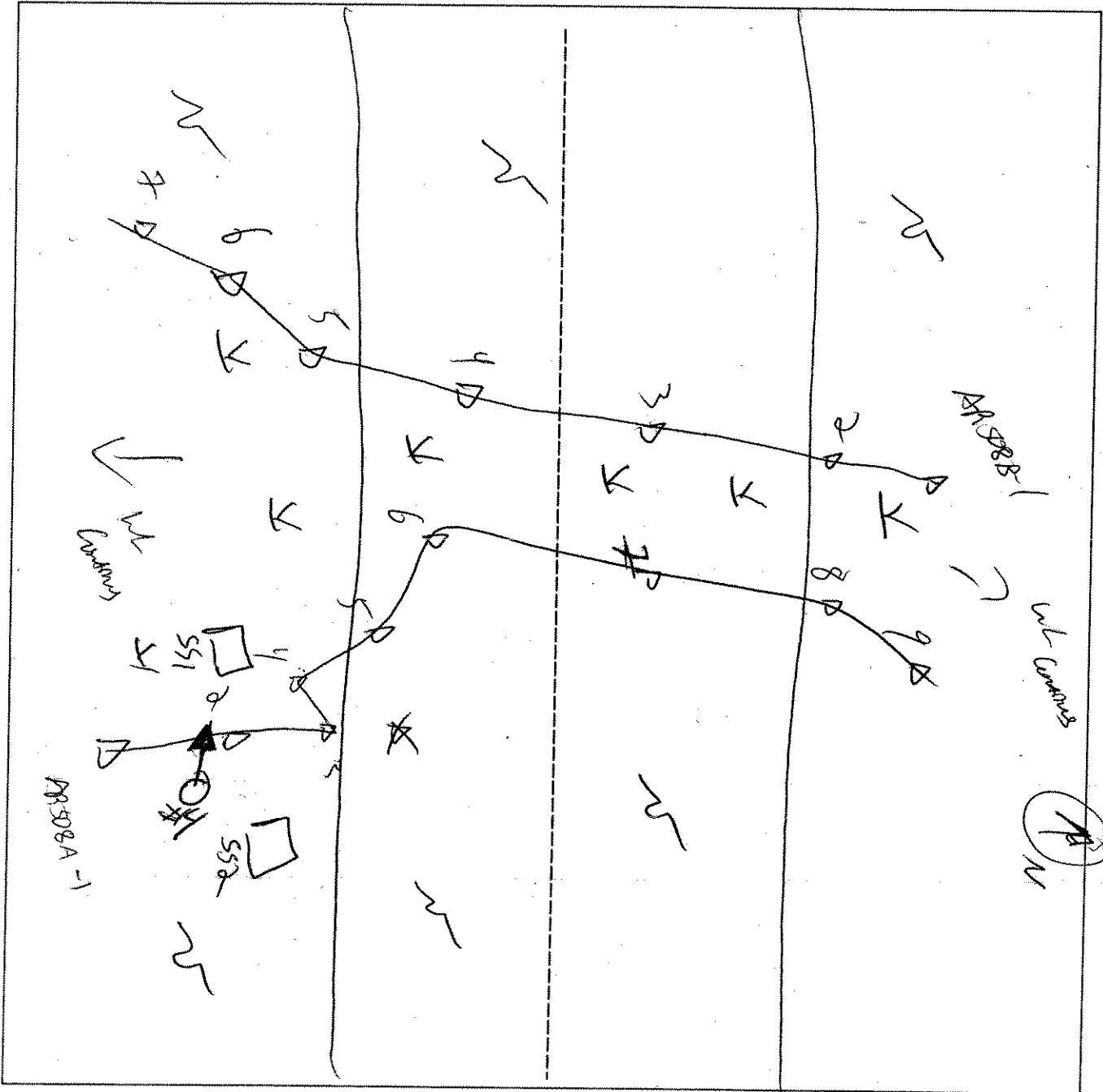
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks: 

SKETCH FORM

Wetland ID/Route #: <i>AR 508 A/B</i>	Date: <i>5/9/06</i>	Time:
Initials of Delineators: <i>KH, JV</i>	Location: <i>WTB 147 → WTB 141</i>	
Roll #: <i>15A</i>	Frames: <i>4 looks NW</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-9-00</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 509A/B SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO1</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>90</u> Herb: <u>55</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Pine</u>	<u>I</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>I</u>	<u>FAC</u>	10.		
3. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Alder</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Horse Tail</u>	<u>H</u>	<u>—</u>	14.		
7. <u>Stink Currant</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Sedge Sp</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Very sparse shrub species</u> <u>Sphagnum / much mosses very near SSI</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>3 in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	



Date: 5-9-06  
 Community ID: Wetland  
 Plot ID: AR509A)B SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O/A	10YR-2/1			Muck/roots/
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <i>refusal of auger @ 6 mds</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: <i>pit #5 looks E @ SSI</i>			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-9-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR509A/B SSA</u>

**VEGETATION**

Plant Community Classification: <u>Red Maple Deciduous</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>40</u> Herb: <u>10</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Big tooth Asph Quaking</u>	<u>T</u>	<u>FACV</u>	10.		
3. <u>* Dog Spathul Alder</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Canada May Flower</u>	<u>H</u>	<u>BAC-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>* Dog has underground shoots</u> <u>AR509A/B</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/9/06  
 Community ID: upland  
 Plot ID: AR509A/B 852

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	7.5YR-3/3			clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: - not much D horizon. Disturbed area due to logging  
 - refusal of auger 6 inches

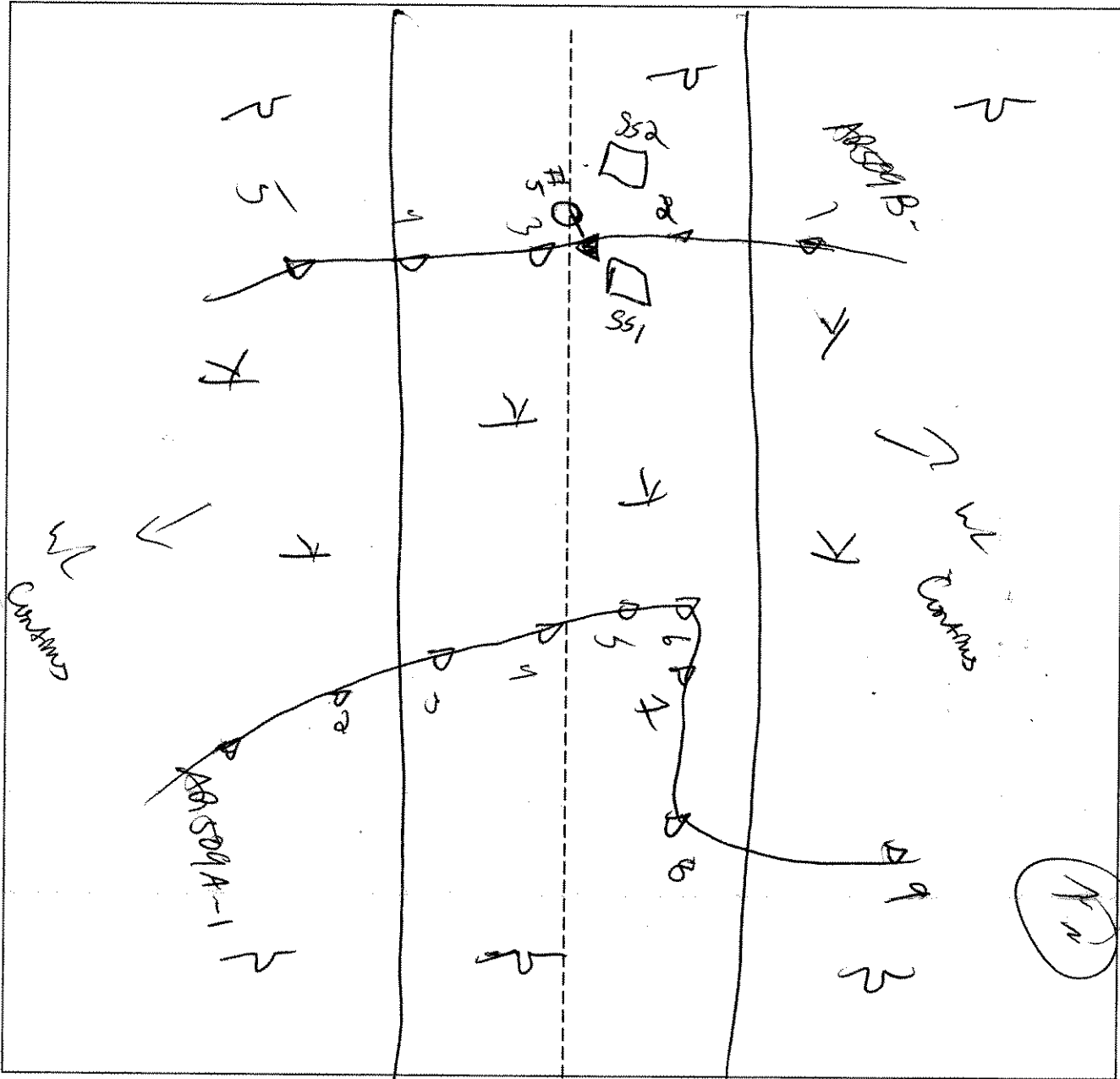
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR509A/B</b>	Date: <b>5-9-06</b>	Time:
Initials of Delineators: <b>KHJV</b>	Location: <b>147-7 141</b>	
Roll #: <b>KH</b>	Frames: <b>5</b>	

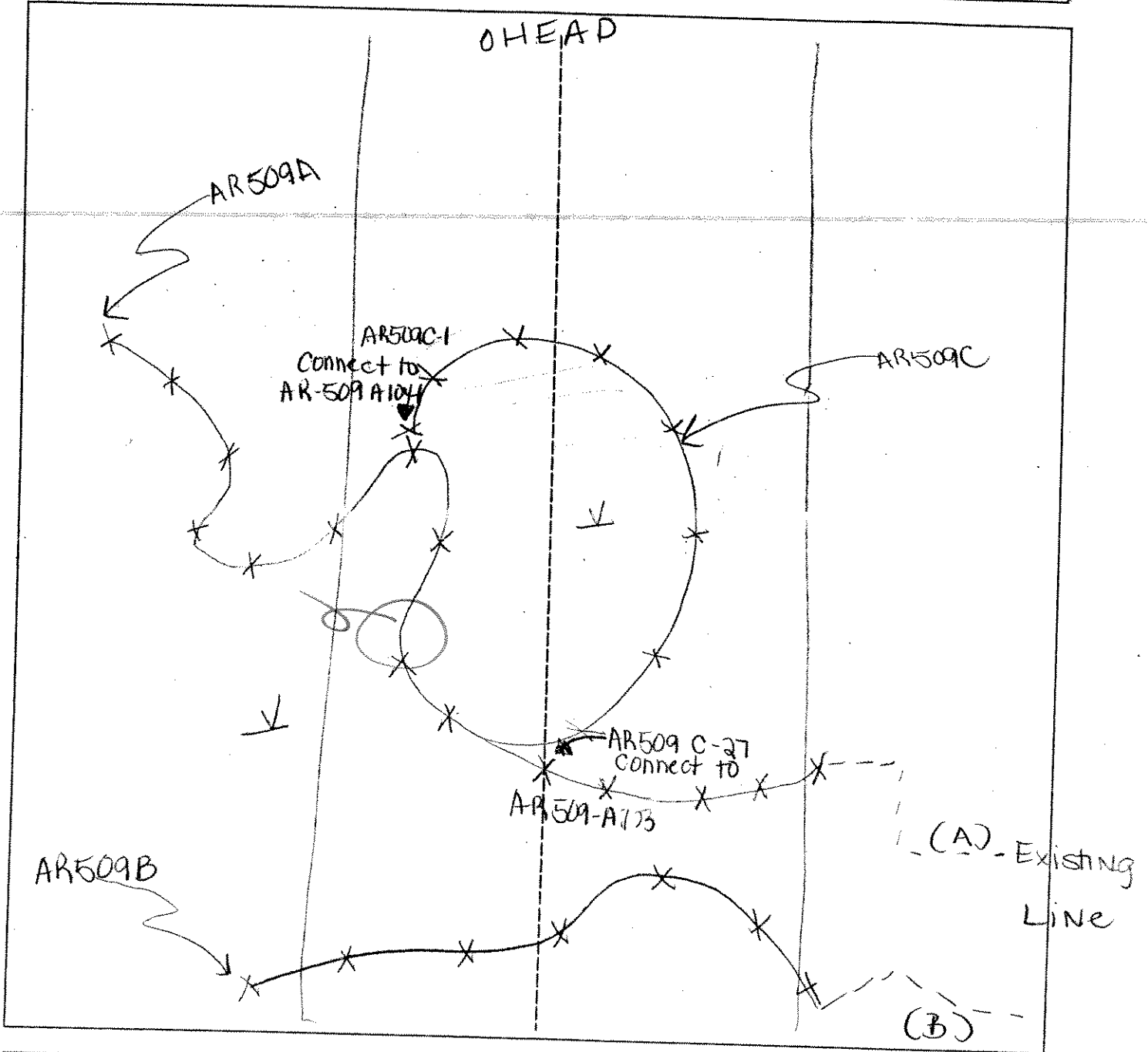


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

# Line Adjustment

## SKETCH FORM

Wetland ID/Route #: AR 509 A/B/C		Date: 8-25-00	Time:
Initials of Delineators: PF, AG JV, DO		Location: OH from LaFrancis Rd East	
Roll #:	Frames:		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
	N →



Wetland  
 B.G. PR 513 A-7N

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPR	Date: 5/10/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: PFO Transect ID: Plot ID: PR 513 AN Series 551

VEGETATION

Plant Community Classification:  
 Percent Canopy Cover: Tree: 38 Shrub: 38 Herb: 20.6 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	Tree	FACW	9.		
2. Red Maple	Tree	FAC	10.		
3. Hornbeam	Shrub	FAC	11.		
4. Sensitive Fern	Herb	FACW	12.		
5. <del>Wetland</del> Grasses *	Herb	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/5 = 80

Remarks:  
 \* Assorted grasses unable to ID due to seasonal conditions assumed FAC

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): None Depth to Free Standing Water in Pit (in.): Surface Depth to Saturated Soil (in.): 10"	
Remarks:	

Wetland

Date: 5/10/06  
Community ID: PFO  
Plot ID:

A2 513 AN Series 651

**SOILS**

Map Unit Name (Series and Phase): N/A		Drainage Class: PD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 2/1	None	None	FSL
10-16	Bw <sub>1</sub>	10YR 5/2	10YR 4/4	Common/med/Faint	SL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Updated  
A.G.  
AR 513 A-7A

Project Site: <i>Munk River</i> Applicant/Owner: <i>Munk River</i> Investigator: <i>BPR</i>	Date: <i>5/10/06</i> County: <i>Columbia</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Community ID: <i>PFO</i> Transect ID: Plot ID: <i>AR 513 A-7A Series</i>	

*SS-2*

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover:      Tree: <i>65</i> Shrub:      Herb:      Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Sugar maple</i>	<i>Tree</i>	<i>FACU</i>	9.			
2. <i>Basswood</i>	<i>Tree</i>	<i>FACU</i>	10.			
3. <i>Hornbeam</i>	<i>Shrub</i>	<i>FACU</i>	11.			
4. <i>Mayflower</i>	<i>Herb</i>	<i>FACU</i>	12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>1/4 = 25</i>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>&gt;14"</i> Depth to Saturated Soil (in.): <i>&gt;14"</i>	
Remarks:	

Date: 5/10/06  
 Community ID: PFD  
 Plot ID:

Upland

A2513 AN Series 992

**SOILS**

Map Unit Name (Series and Phase): N/A		Drainage Class: MWD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	Ap	10YR 3/2	None	None	ELA
4-14	Bm	7.5YR 2.4/4	None	None	SL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Wetland  
 AR 513 A-651  
 DG AR 513 B2 ANCW

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BPR</u>	Date: <u>5/10/06</u> County: <u>Columbia</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>PFO</u> Transect ID: Plot ID: <u>AR 513 B Sums 55</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65.0</u> Shrub: <u>20.5</u> Herb: <u>20.5</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Sugar Maple</u>	<u>Tree</u>	<u>FACW</u>	10.		
3. <u>Hazel nut</u>	<u>Shrub</u>	<u>FACW</u>	11.		
4. <u>Shrub</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Blk Cherry</u>	<u>Shrub</u>	<u>FACW</u>	13.		
6. <u>Common Fern</u>	<u>Herb</u>	<u>FACW</u>	14.		
7. <u>May Flower</u>	<u>Herb</u>	<u>FAC-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/7 35%</u>					
Remarks: <u>* Grow on hummocks and shallow roots</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>Surface</u> Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	

Wetland

Date: 5/10/06  
Community ID: PFO  
Plot ID:

A2513 A-551

**SOILS**

Map Unit Name (Series and Phase): N/A	Drainage Class: DD
Taxonomy (SubGroup): N/A	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-6	Ap	10YR 2/1	None	None	FSL
6-12+	B <sub>wt</sub>	10YR 5/1	10YR 4/6	Com/med/Dist	SL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Upland  
 AR 513 A-552  
 V.G. AR 513 B21 NEW

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River Lee</u> Investigator: <u>BR</u>	Date: <u>5/10/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>PFO</u> Transect ID: Plot ID: <u>AR 513 A Group 552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>85.5</u> <sup>Gap</sup> Shrub: <u>16</u> Herb: <u>205</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sugar Maple</u>	<u>Tree</u>	<u>FACU</u>	9. <u>Birch Birch</u>	<u>Shrub</u>	<u>FACU</u>
2. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	10. <u>Bush</u>	<u>Tree</u>	<u>FACU</u>
3. <u>Birch Cherry</u>	<u>Tree</u>	<u>FACU</u>	11.		
4. <u>Hazel Nut</u>	<u>Shrub</u>	<u>FACU</u>	12.		
5. <u>Cornel bush</u>	<u>Shrub</u>	<u>FAC</u>	13.		
6. <u>Tree Clematis</u>	<u>Herb</u>	<u>FACU</u>	14.		
7. <u>Sugar Maple Seedling</u>	<u>Herb</u>	<u>FACU</u>	15.		
8. <u>Wormwood</u>	<u>Herb</u>	<u>FAC-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>2/10 = 20</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NONE</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>&gt;14</u> Depth to Saturated Soil (in.): <u>&gt;14</u>	
Remarks:	

Date: 5/19/06  
 Community ID: PFO  
 Plot ID:

Upland

A2 B13 g Series 402

**SOILS**

Map Unit Name (Series and Phase): N/A  
 Taxonomy (SubGroup): N/A  
 Drainage Class: MWD  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	Structure, etc.
0-4	Ap	10YR 3/2	none	none	FSL
4-16	Bw <sub>1</sub>	10YR 4/6	none	none	FSL

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

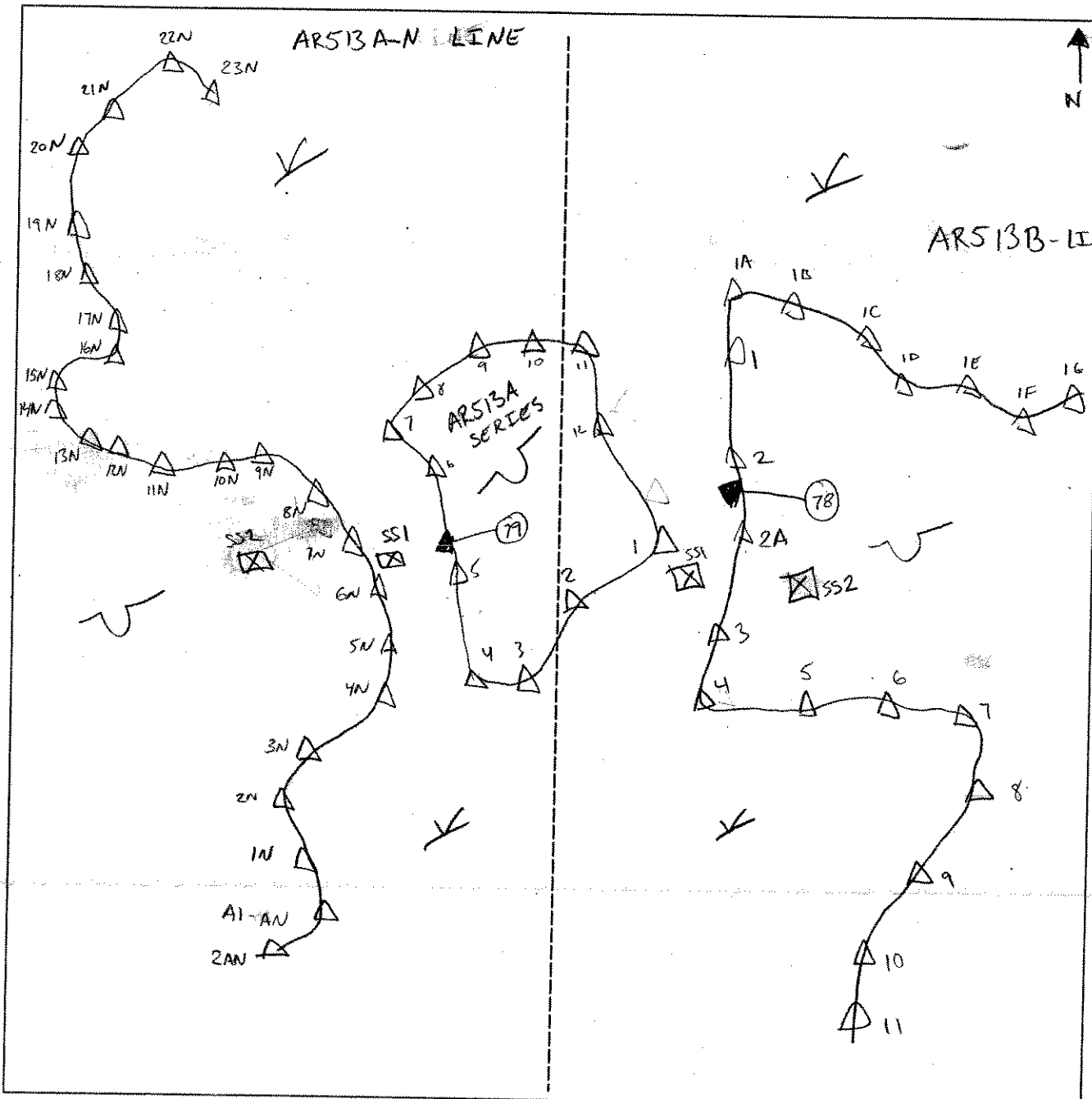
Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		

### SKETCH FORM

Wetland ID/Route #: AR513A, A-N, B Lines	Date: 5-10-06	Time:
Initials of Delineators: BR DO	Location: Marble River	
Roll #:      Frames: 78: Looking W @ AR513A ISLAND 79: Looking W SW @ AR513A-N UPLAND		

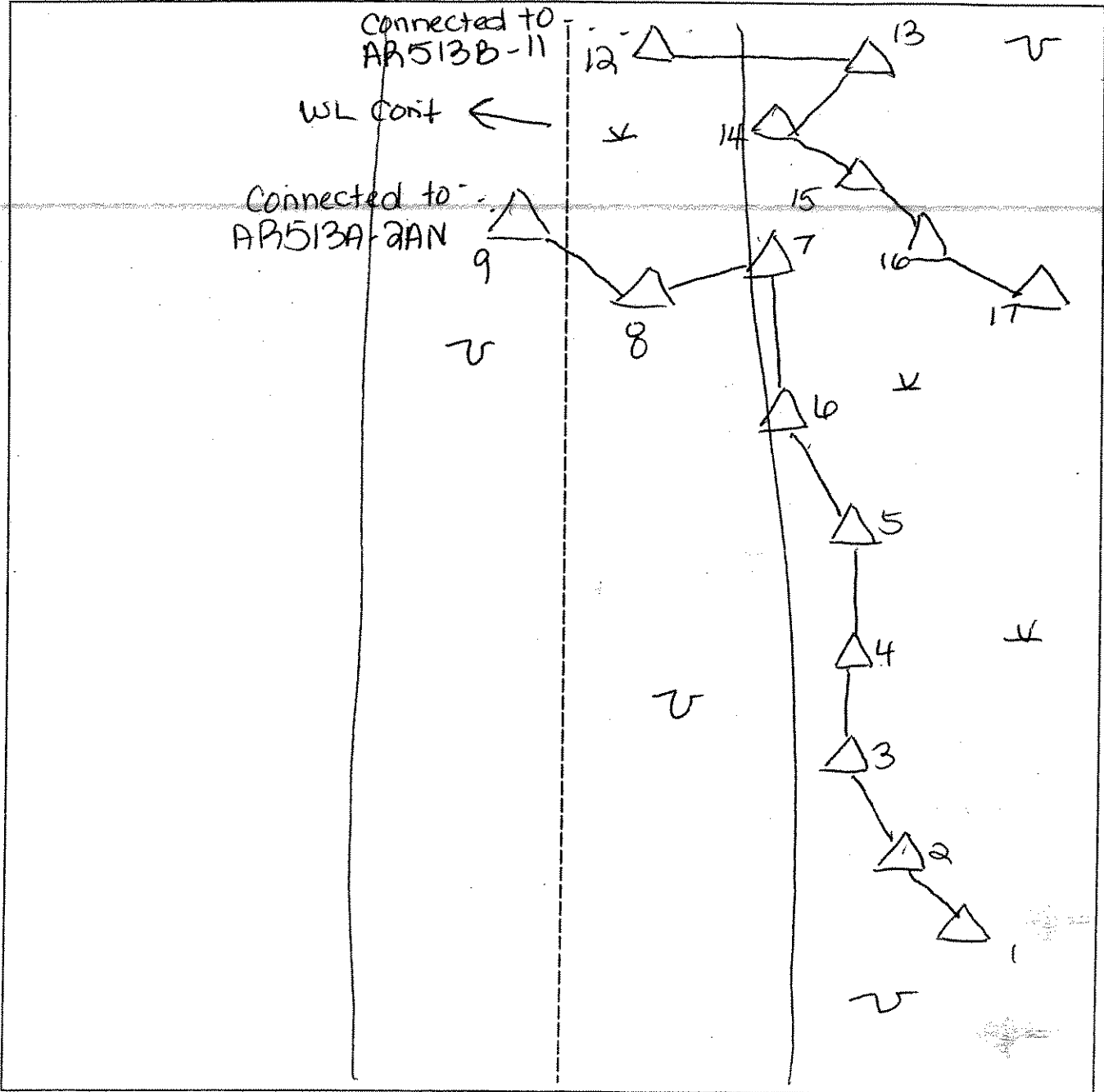


<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

# Line Extension

## SKETCH FORM

Wetland ID/Route #: <b>AR513A/B</b>		Date: <b>7.27.06</b>	Time:
Initials of Delineators: <b>KH</b>		Location: <b>AR/IC to turbine 173</b>	
Roll #:	Frames: <b>picture taken on previous occasion</b>		



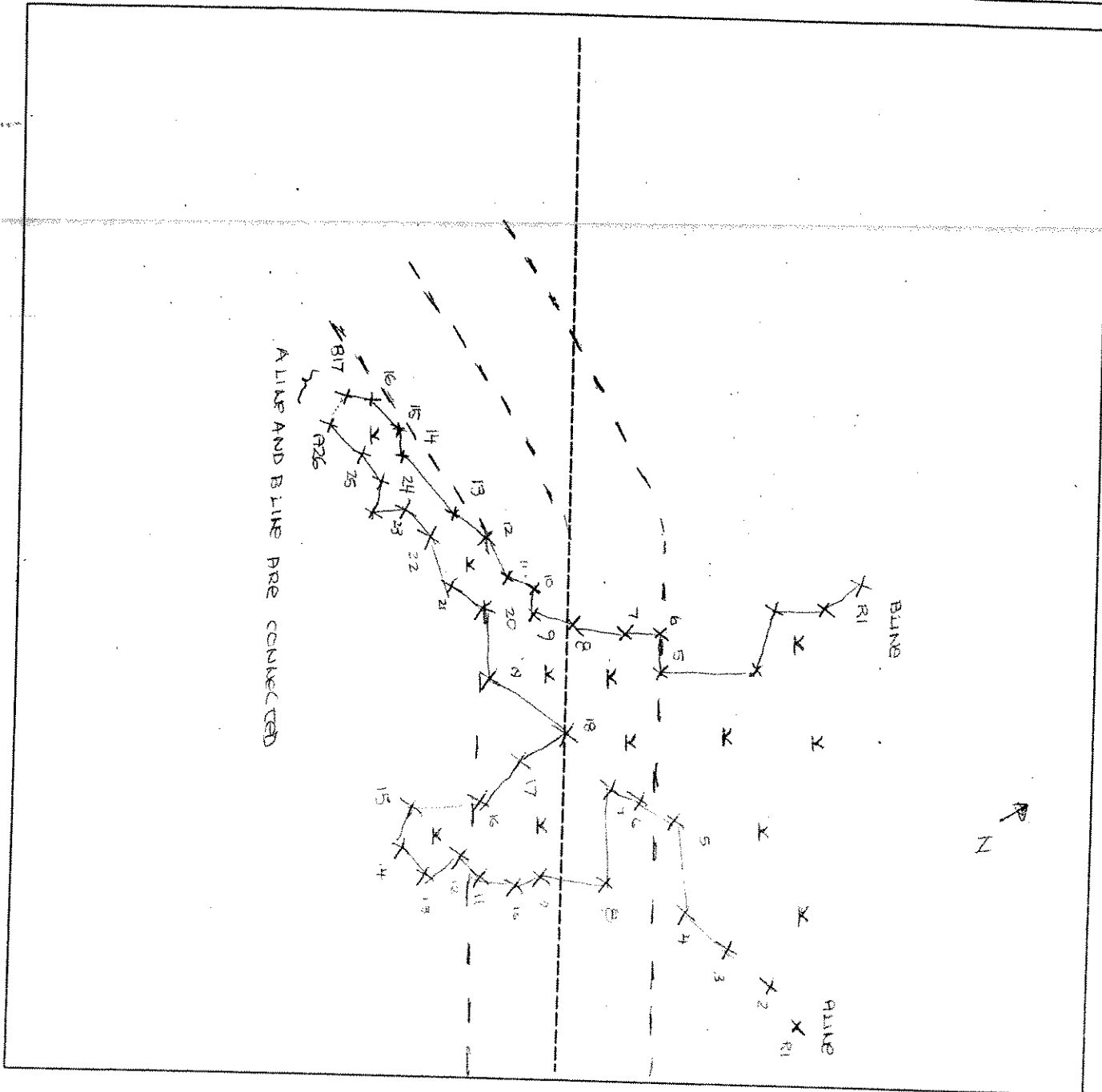
Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

N



### SKETCH FORM

<b>Wetland ID/Route #:</b> AR513	<b>Date:</b> 8/17/06 <b>Time:</b> AM
<b>Initials of Delineators:</b> RD / SH / JV / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
<ul style="list-style-type: none"> <li> Photo Location/Direction</li> <li> Sample Station</li> <li> Centerline</li> <li> Flag</li> </ul>	<ul style="list-style-type: none"> <li> Wetland</li> <li> Upland</li> <li> Stream</li> <li> Intermittent Stream</li> </ul>

Downgradient  
R2 514A-1D

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BRP	Date: 5/9/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PWS/DEA Transect ID: R2 514A Plot ID: 1

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: 0	Shrub: 20.5	Herb: 20.6	Vine: 6
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Nannyberry	Shrub	FAC	9.		
2. Carex sp. *	Herb	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks: * Definitive ID. unavailable due to seasonal conditions around FACW					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 8" Depth to Free Standing Water in Pit (in.): Surface Depth to Saturated Soil (in.): Surface	
Remarks:	

D.G. AR 514 A-10

Date: 5/9/06  
Community ID: P66/PEN/GW  
Plot ID:

AR 514 A

**SOILS**

Map Unit Name  
(Series and Phase): N/A

Drainage Class: VPD

Taxonomy (SubGroup): N/A

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9 <i>(Rebuzza)</i>	Oa	10YR 3/1	none	none	gypic Oh

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input checked="" type="checkbox"/> Histic Epipedon  | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

Extremely stoney

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

**Remarks**

Isolated Depression (no egg masses or larvae noted)

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Upgradient  
A2514A-10

Project Site: Marble River - Applicant/Owner: Marble River LLC Investigator: BR	Date: 5/9/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> (If needed, explain on reverse.)	Community ID: PFO/PSS Transect ID: Plot ID: A2514A SS-2

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 63 Shrub: 10.5 Herb: 39 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	Tree	FACU	9.		
2. Gray Birch	Tree	FAC	10.		
3. Black Cherry	Tree	FACU	11.		
4. Sugar Maple	Shrub	FACU	12.		
5. Sugar Maple (young)	Herb	FACU	13.		
6. Bracken Fern	Herb	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/6 = 6					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): none Depth to Free Standing Water in Pit (in.): > 14" Depth to Saturated Soil (in.): > 14"	
Remarks:	

Date: 5/9/06  
 Community ID: PFO/DSS  
 Plot ID: A254A  
 55-2

**SOILS**

Map Unit Name (Series and Phase): N/A  
 Taxonomy (SubGroup): N/A  
 Drainage Class: MWD  
 Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	Ab	10YR 3/2	none	none	FSL
4-7	E	10YR 5/2	none	none	FSL
7-14	Bw	7.5YR 4/6	none	none	FSL

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

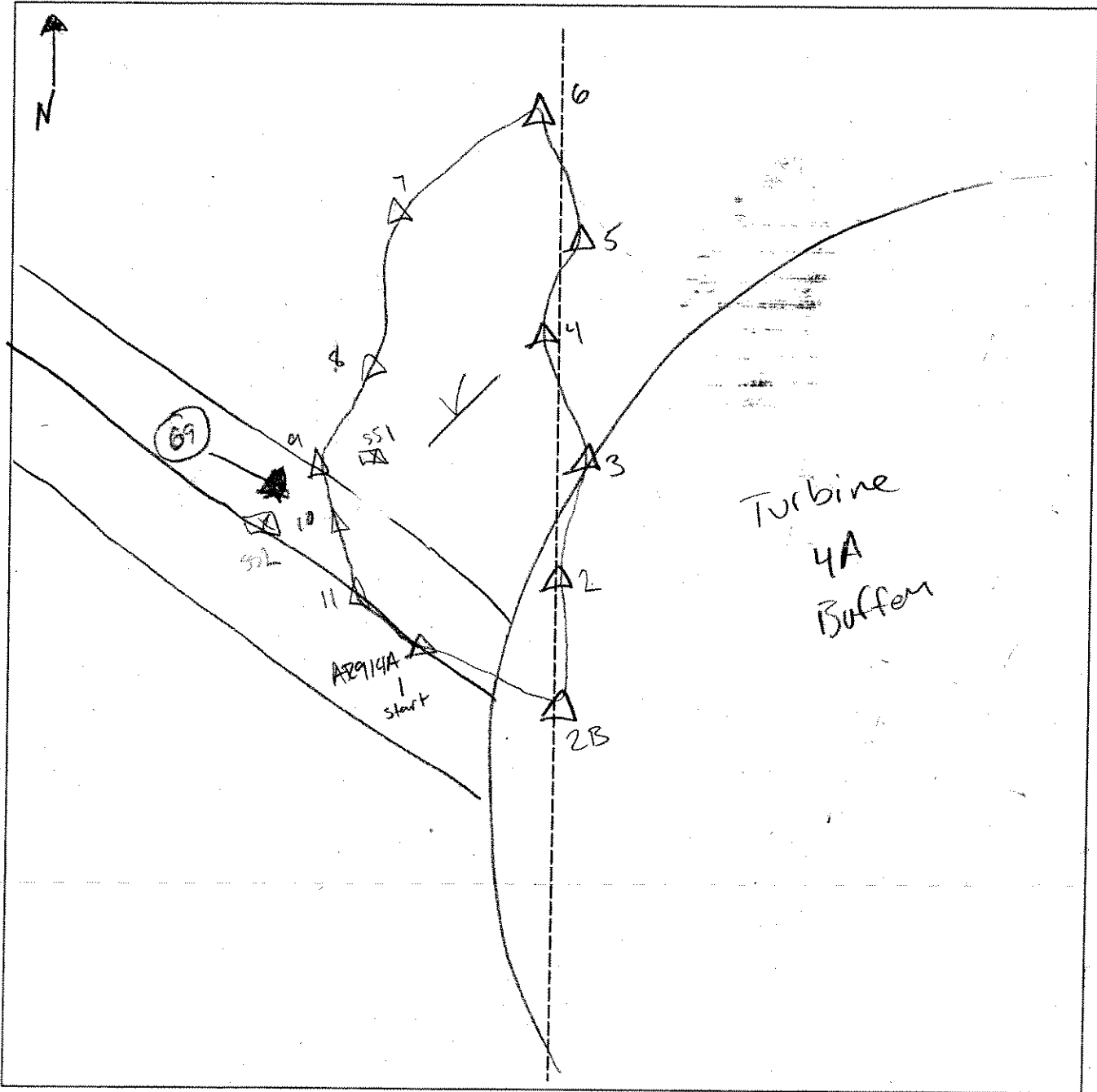
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: ARS14A	Date: 5-9-06	Time:
Initials of Delineators: BR DO	Location: Marble River	
Roll #:	Frames: 69   Looking SE @ 4A Turbine	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD</u>	Date: <u>11/10/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR521-A-SSI</u> <u>AR522-A-SSI</u>

**VEGETATION**

Plant Community Classification: PEM - Hay Field  
 Percent Canopy Cover: Tree: \_\_\_\_\_ Shrub: \_\_\_\_\_ Herb: \_\_\_\_\_ Vine: \_\_\_\_\_

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Phalaris arundinacea</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Juncus effusus</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Onoclea sensibilis</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Grass sp</u>	<u>H</u>	<u>-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Not collected on field notes</u>	

Date: 11/10/05  
 Community ID:  
 Plot ID: AR 521/522-A-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Field Observations  
 Confirm Mapped Type? Yes No

Taxonomy (SubGroup):

Profile Description:

Depth  
 (Inches)

Horizon

Matrix Color  
 (Munsell Moist)

Mottle Colors  
 (Munsell Moist)

Mottles  
 Abundance/Size/  
 Contrast

Texture, Concretions,  
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Not collected

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes  No  
 Yes  No  
 Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks



SKETCH FORM

Wetland ID/Route #: AR531 / AR522	Date: 11/10/06	Time:
Initials of Delineators: RJD	Location: Along Rt. 189	
Roll #:	Frames:	

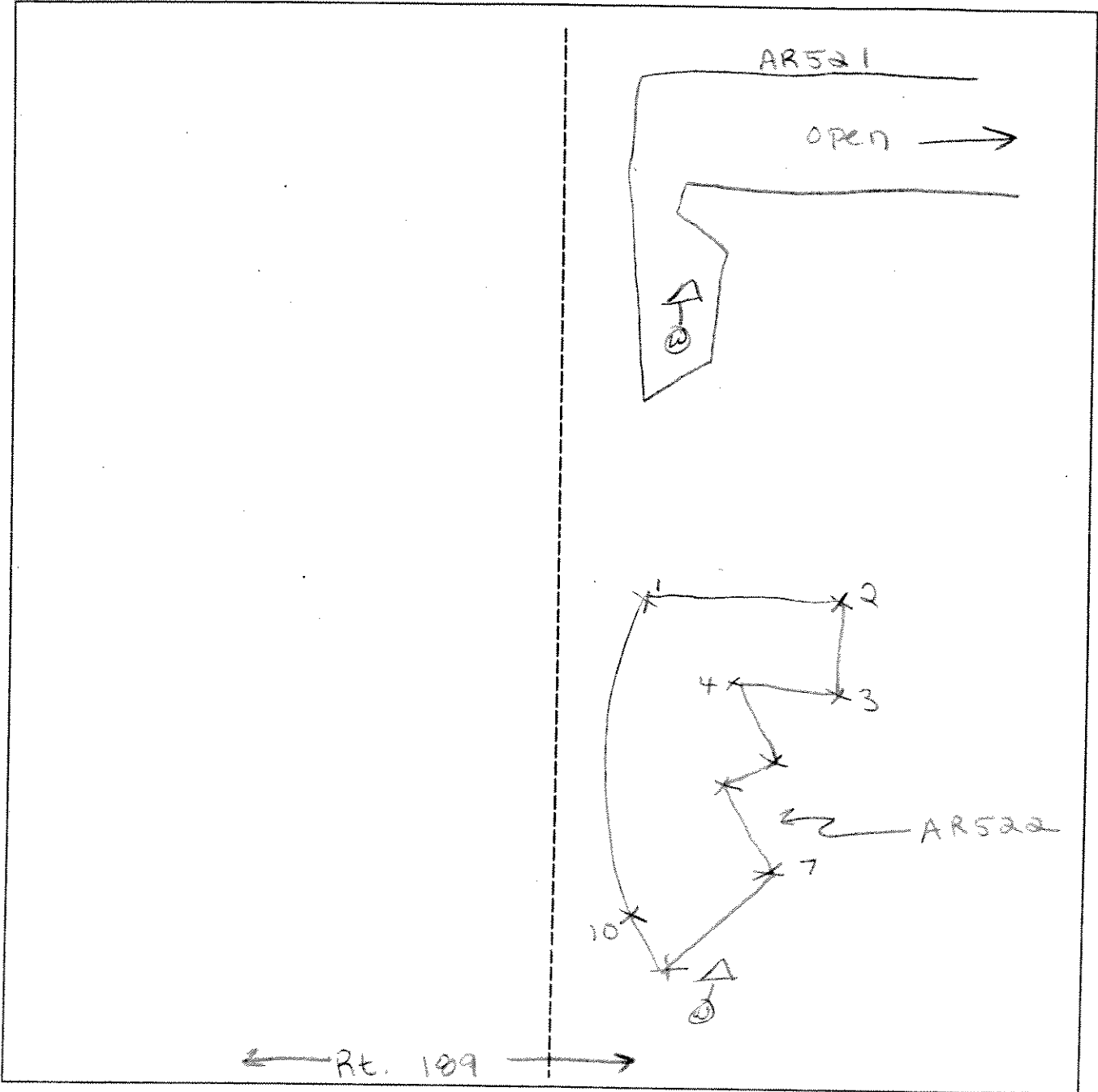


	Photo Location/Direction	<b>Legend</b>		Wetland
	Sample Station			Upland
	Centerline			Stream
	Flag			Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD	Date: 11/10/2005 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: AR 523 A - SSI

**VEGETATION**

Plant Community Classification: PEM10W					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. C. Crinata	H	FACW	9.		
2. J. effusus	H	FACW	10.		
3. Club moss	H	FAC	11.		
4. Sphag moss	H	DBL	12.		
5. Red maple	T/S	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 11/10/05  
 Community ID:  
 Plot ID: AR523-A-551

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				

**Hydro Soil Indicators**

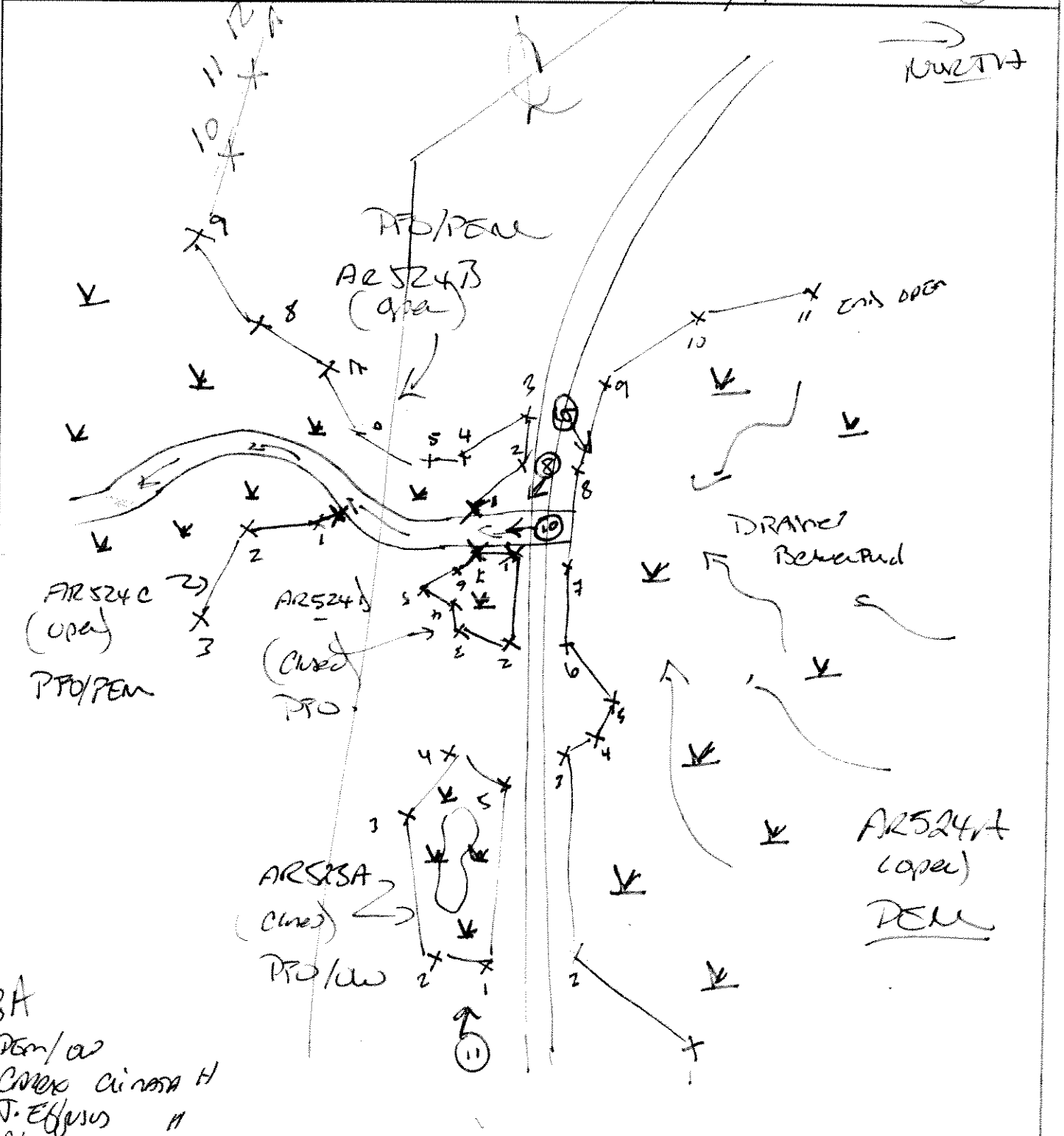
- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Not collected

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks



AR524A  
 Dem/aw  
 C. Erickson H  
 J. Effers H  
 Chhman H  
 Sphar man H  
 Ted mple T/S

Point 11	Photo 11	→ West	AR524A
"	10	→ W	AR524 A/DCS-ST
"	9	→ E	AR524 A
"	8	→ S	AR524 D
"	7	→ SW	AR524 B

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD	Date: 11/10/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: AR524 A-SS1

**VEGETATION**

Plant Community Classification: PEM/PSS Percent Canopy Cover: 100% Tree: - Shrub: 40 Herb: 20 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Carex crinata	H	FACW	9. Fawn meadow grass	H	FAC
2. Nuphar	H	OBL	10. Bur-reed	H	FAC
3. Steeple bush	H	FACW	11.		
4. J. effusus	H	FACW	12.		
5. R. Snake grass	H	OBL	13.		
6. Meadow Sweet	H	FAC	14.		
7. Woolgrass	H	FACW	15.		
8. Elder	S	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: Not collected	

Date: 11/10/05  
 Community ID:  
 Plot ID: AR524 A-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Not collected

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD KH</u>	Date: <u>11/10/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR524-B-SSI</u>

**VEGETATION**

Plant Community Classification: PFO / PEM  
 Percent Canopy Cover: 100 Tree: 0 Shrub: 15 Herb: 95 Vine: —

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T/S	FAC	9. Steeple bush	S	FACW
2. Cattail	H	OBL	10. fowl M. grass	H	FAC
3. Flat top Aster	H	FAC	11. J. effusus	H	FW
4. Sens. Fern	H	FACW	12.		
5. C. ornata	H	FACW	13.		
6. RS grass	H	FAC	14.		
7. A. LF tearthumb	H	FAC	15.		
8. M. Sweet	S	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Not collected</u>	

Date: 11/10/05  
 Community ID:  
 Plot ID: AR524-B-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Not collected

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD KH</u>	Date: <u>11/10/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR524-D-SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO / PEM</u> Percent Canopy Cover: <u>1</u> Tree: <u>30</u> Shrub: <u>—</u> Herb: <u>60</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. MAPLE</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>J. EFFUSIS</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>WILLOW HERB</u>	<u>HT</u>	<u>FAC</u>	11.		
4. <u>R-SNAKE GRASS</u>	<u>H</u>	<u>FACW</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100</u> %.					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Not collected</u>	

Date: 11/10/06  
 Community ID:  
 Plot ID: AR524-D-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

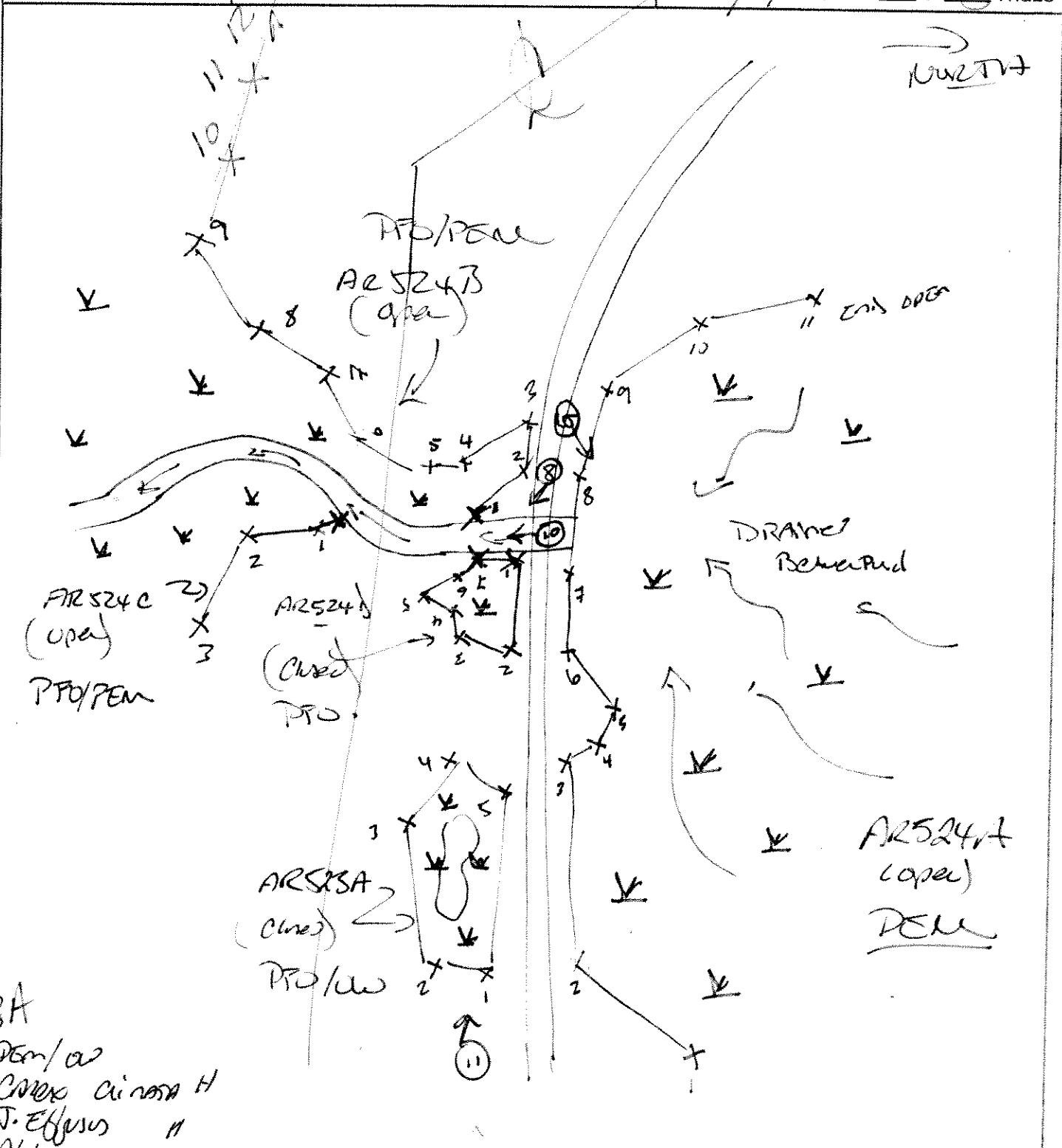
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Not collected

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Disturbed Area



AR524A  
 Dem/aw  
 Caves cinema H  
 J. Effesus H  
 Chhman H  
 Sphm man H  
 Led mple -1/s

10	11	→ Wat	AR523A
11	10	→ W	AR524 A/D/C/S-ST
12	9	→ E	AR524 A
13	8	→ S	AR524 I
14	7	→ SW	AR524 B

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD</u> <u>JV</u>	Date: <u>11/11/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR525-A-SSI</u>

**VEGETATION**

Plant Community Classification: PFO  
 Percent Canopy Cover: 1 Tree: 50 Shrub: 30 Herb: 40 Vine: —

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Green Ash</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Red Maple</u>	<u>T/S/H</u>	<u>FAC</u>	10.		
3. <u>Carex sp.</u>	<u>H</u>	<u>—</u>	11.		
4. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Willow herb</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Solidago sp.</u>	<u>H</u>	<u>—</u>	14.		
7. <u>Sphag moss</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>Wood fern</u>	<u>H</u>	<u>FAC</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FACW) = 7/16 = >100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks: <u>None Recorded</u>

Date: 11/11/05  
 Community ID:  
 Plot ID: AR525-A-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: None Recorded

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

11/11/05

Page 5

TRAILS close to (1) complete Dick Lee's property to KILPAT  
(Surrey & Throon) of Strathmill Rd

(2) Taiton a. 136 (also side side property)

(3) DIS FROM RD FOR RT 189 TO #17.

TEAM D (Kilpatrick's yard) - COMPLETE WORKS OF CEMENTATION  
WILL MEET AT STRATHMILL 300 TO GET FIRE ARM  
& OTHERS etc.

300 5, 200 W/DILL... COLLECT... TRUCKS TO PROPERTY...

300 ATTEMPTED TO CONTROL CRACKING. NO ONE HOME AT STRATHMILL.

PROCESSES TO PROPERTY BEARING CONTAINERS & ACCOUNTS OF OTHER

NOTE: ALSO 2 AIB/C/D. ST 1

- FLOW W/ WOOD AS A MODERATE FLOW

- W/ WOOD... SPANNING... GRAVE & CUBLE

- width (8' / 12')

- depth (2' / 2')

- ...

0840 DISCOVERS HESSA BEAR PROPERTY BOUNDARY 1370

PRO- OVER THE T

... 715/H

... H

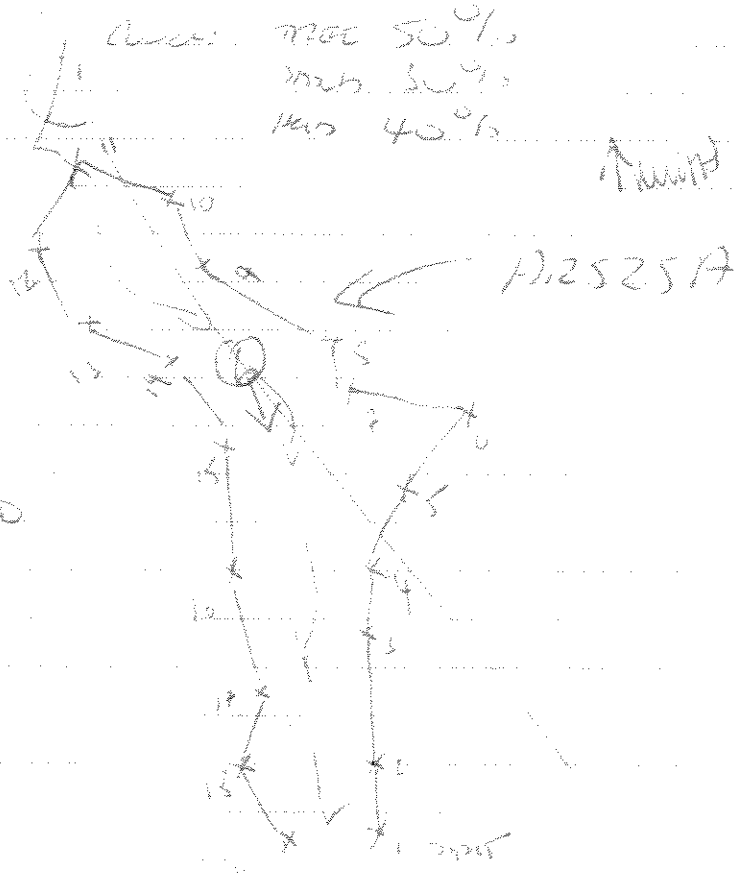
... H

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... H



Roller photo 6 = SSE @  
HESSA 17

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD KH	Date: 11/11/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: AR526-A-SSI

**VEGETATION**

Plant Community Classification: PSS					
Percent Canopy Cover: % Tree: — Shrub: — Herb: — Vine: —					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. G. Birch	S	FAC	9. Carex sp	H	—
2. Steeple Bush	S	FACW	10. low meadow gr.	H	FACW
3. R. Maple	S	FAC	11. Carex crinita	H	FACW
4. Dogwood	S	—	12. Saur (Jiky?)	H	FAC
5. Kalmia	S	FAC	13.		
6. J. effusus	H	FACW	14.		
7. J. sp. meadow	H	OBL	15.		
8. Eriogonum sedge	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: NONE Recorded	

Date: 11/11/06  
 Community ID:  
 Plot ID: AR526-A-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Field Observations  
 Confirm Mapped Type? Yes No

Taxonomy (SubGroup):

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: None Recorded

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks



1/11/13

Site of Forest Park

High ridge - up to 100 ft. - 100 ft. - 100 ft.

- 200 m. T.S.

- 100 m. T.

Tree 80%

- 100 m. T.

100%

- 100 m. S

100%

- 100 m. H.

- 100 m. H.

- 100 m. H.

- 100 m. H.

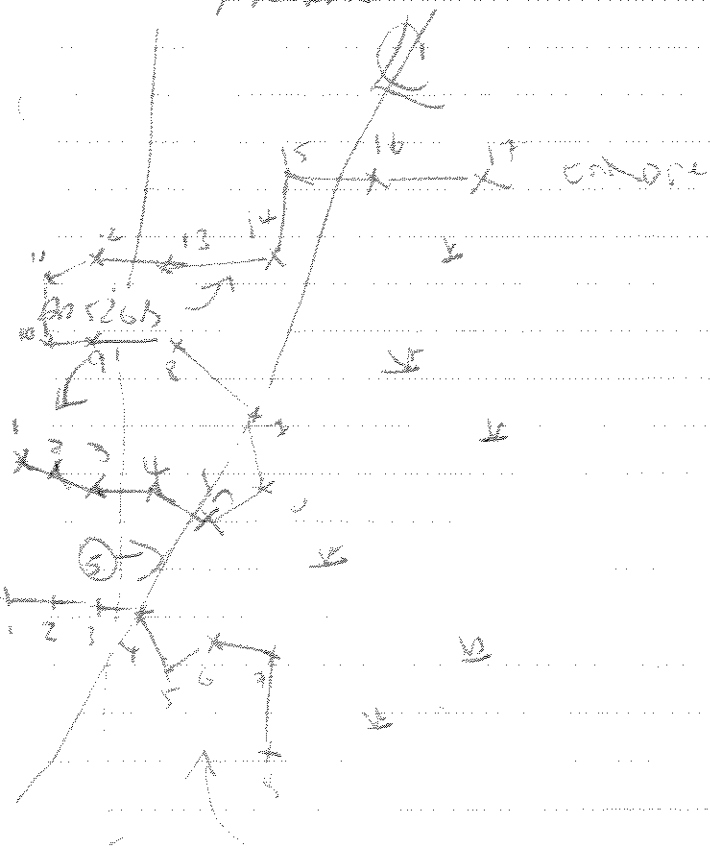
1/11/13 - 1/11/13

Site of Forest Park

100 m. T.S.

100%

100%



- 100 m. T.

- 100 m. S

- 100 m. S

- 100 m. S

- 100 m. S

- 100 m. S

- 100 m. H.

- 100 m. H.

- 100 m. H.

- 100 m. H.

- 100 m. H.

- 100 m. H.

- 100 m. H.

- 100 m. S

Roll - 100 m. S. W. of  
AR526A/B

100%

100%

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR527A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO Transect ID: Plot ID: AR 530 AB SSI 16980A AR527A

**VEGETATION**

Plant Community Classification: Red maple mesic  
Percent Canopy Cover: Tree: 80 Shrub: 40 Herb: 65 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. Gray birch	T	FAC	10.		
3. <i>A. rubrum</i>	S	FAC	11.		
4. <i>Viburnum lentago</i>	S	FAC	12.		
5. <i>Sphagnum moss 7501</i>	VI	OBL	13.		
6. <i>Maianthemum canadense</i>	HL	FAC	14.		
7.			15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns in Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): NA          Depth to Free Standing Water in Pit (in.): 4"          Depth to Saturated Soil (in.): 0"</p>	
Remarks:	

Date: 5/10/07  
 Community ID: Wetland SSI  
 Plot ID: AR530 AB SSI  
 10986A  
 AR521A

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR 2.5/2			
4-8	A	4.5YR 4/1			clay
8-14	B	10YR 6/1			loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: saturated @ 0", water in pd @ 4"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks photo 4 = N DEC WL photo 6 = NW			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>AR530 AR882</u> Transect ID: <u>1C900A</u> Plot ID: <u>Vland AR507A</u>

EXT 3

**VEGETATION**

Plant Community Classification: <u>early successional</u>					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>40</u> Herb: <u>70</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Viburnum dentatum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Vaccinium lowbush</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750' / -</u>					
Remarks: <u>Area has been logged of mature stand</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/10/07  
 Community ID: upland ss 2  
 Plot ID: AR 530 AB SSA  
 IC 980A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: AR 537A  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	7.5YR 2.5/2			
3-12	A	10YR 2/1	7.5YR 6/2	many, from, sparse	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

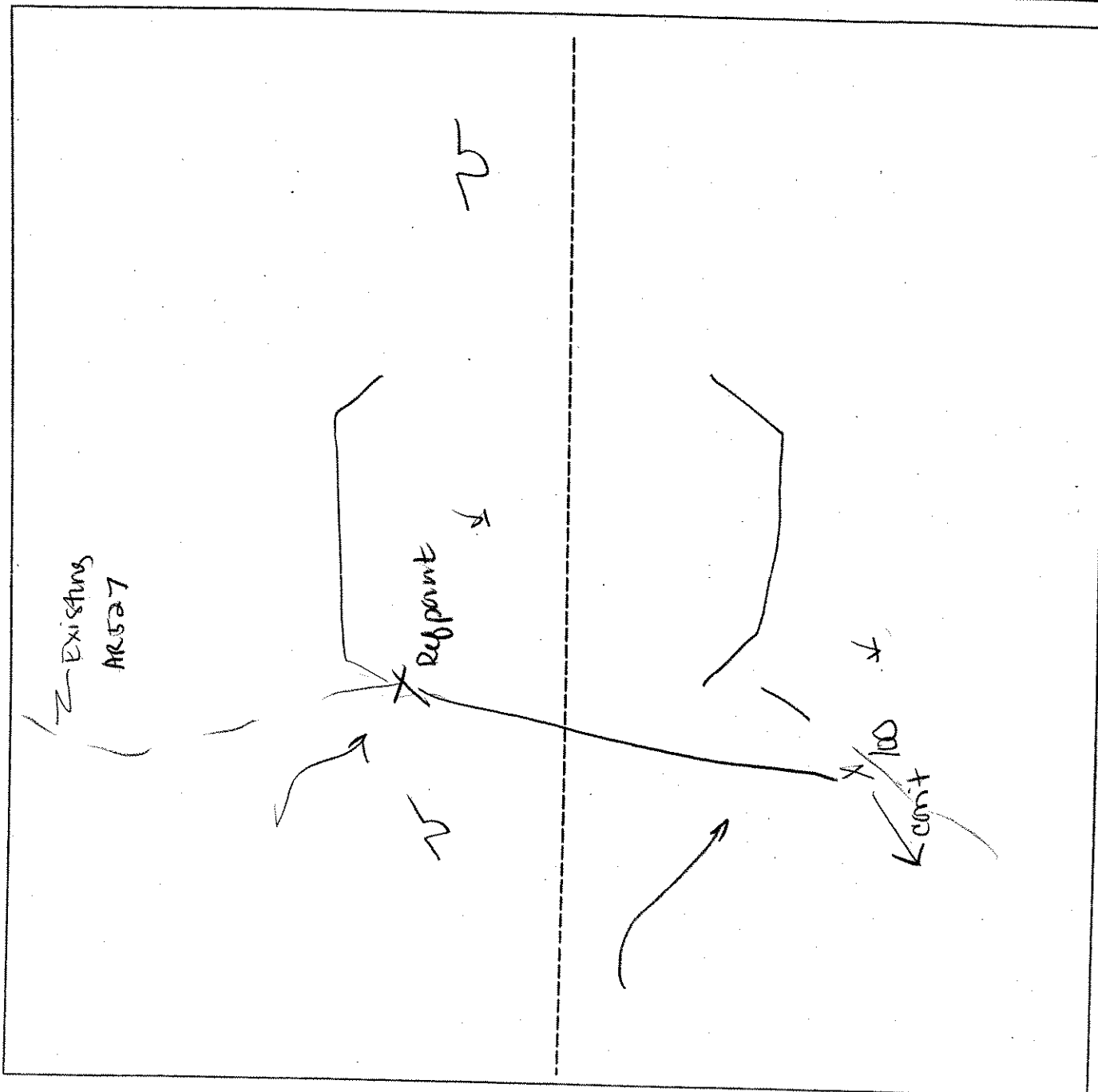
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: AR527A EXT	Date: 5/10/07	Time:
Initials of Delineators: JV AP	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD KH</u>	Date: <u>11/11/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR530-1/B-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PFO</u>					
Percent Canopy Cover: % Tree: <u>30</u> Shrub: <u>45</u> Herb: <u>95</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>G. Birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Club moss</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Sphag moss</u>	<u>H</u>	<u>OBL</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Not Recorded</u>	

Date: 11/11/05.  
 Community ID:  
 Plot ID: AR530 A/B-SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Not Recorded

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		



11/11/5

14.5.50 - 14.5.51

1850, 5

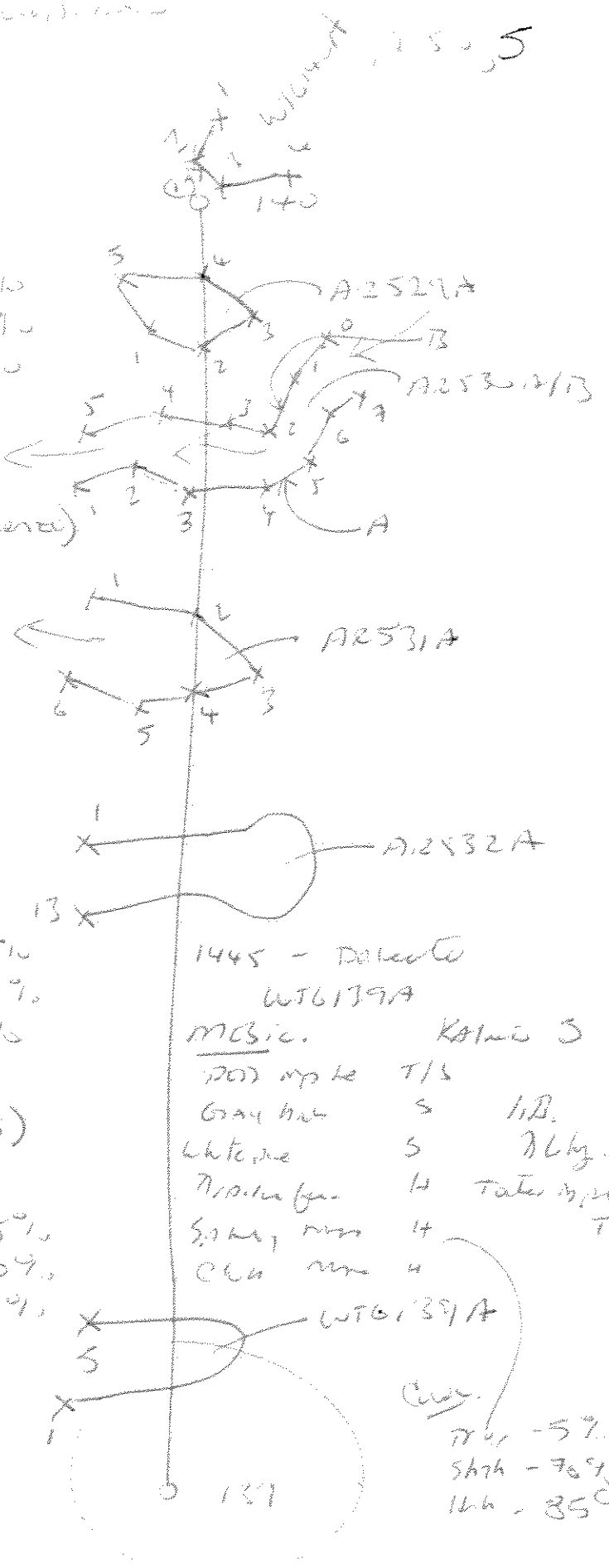
1325 - Deformed WT6140A (PFO/PSS)  
 Roll: Piece 1 → E 25 wt 40%  
 Colors: T/S  
 Gray hair S  
 Dispersed S  
 Chlorine H  
 Spray mark H  
 Print (m) H

1335 - Deformed AR529A (PFO within level)  
 Isolations  
 Red maple T/S  
 Ink run H  
 Spray mark H  
 Green sp. H  
 Gray hair S  
 To. Red sp. T

1350 - Deformed AR530A (PFO)  
 Red maple T/S  
 Gray hair T/S  
 Chlorine H  
 Spray mark H

1345 - Deformed AR531A (PSS)  
 Red maple T/S  
 Gray hair T/S  
 Dispersed S  
 Chlorine H  
 Spray mark H  
 Kalamia 1/2 sp. H

1400 - AR532A (PSS)  
 Red maple T/S  
 Gray hair T/S  
 Dispersed S  
 Chlorine H  
 Spray mark H  
 Kalamia 1/2 sp. H



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

AR 530AB extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO Transect ID: Plot ID: AR 530AB SSI 10980A AR527A

**VEGETATION**

Plant Community Classification: Red maple mesic  
 Percent Canopy Cover: Tree: 80 Shrub: 40 Herb: 65 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Gray birch	T	FAC	10.		
3. A. rubrum	S	FAC	11.		
4. Viburnum lentago	S	FAC	12.		
5. Sphagnum moss 250%	VI	OBL	13.		
6. Miantheum Canadensis fl.		FAC	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): NA          Depth to Free Standing Water in Pit (in.): 4"          Depth to Saturated Soil (in.): 0"</p>	
Remarks:	

Date: 5/10/07  
 Community ID: Wetland SSI  
 Plot ID: AR530 AB SSI  
 10980A  
 AR530A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR 2.5/2			
4-8	A	4.5YR 6/1			clay
8-14	B	10YR 6/1			loamy sand

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: saturated @ 0", water in pd @ 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks  
 photo 4 = N  
 DEC WL  
 photo 6 = NW

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>AR 530 AB 882</u> Transect ID: <u>IC 900 A</u> Plot ID: <u>VIPland AR 527A</u>

**VEGETATION**

Plant Community Classification: <u>early successional</u>					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>40</u> Herb: <u>70</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Cyperus tenuis</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Urtica dioica</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Vaccinium low bush</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Sparganium angustifolium</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750%</u>					
Remarks: <u>Area has been logged of mature stand</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/10/07  
 Community ID: upland ss 2  
 Plot ID: AR 530 AB SSA  
 IC 980A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: AR 530A  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	7.5YR 2.5/2			
3-12	A	10YR 7/1	7.5YR 6/2	many, from, sparse	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

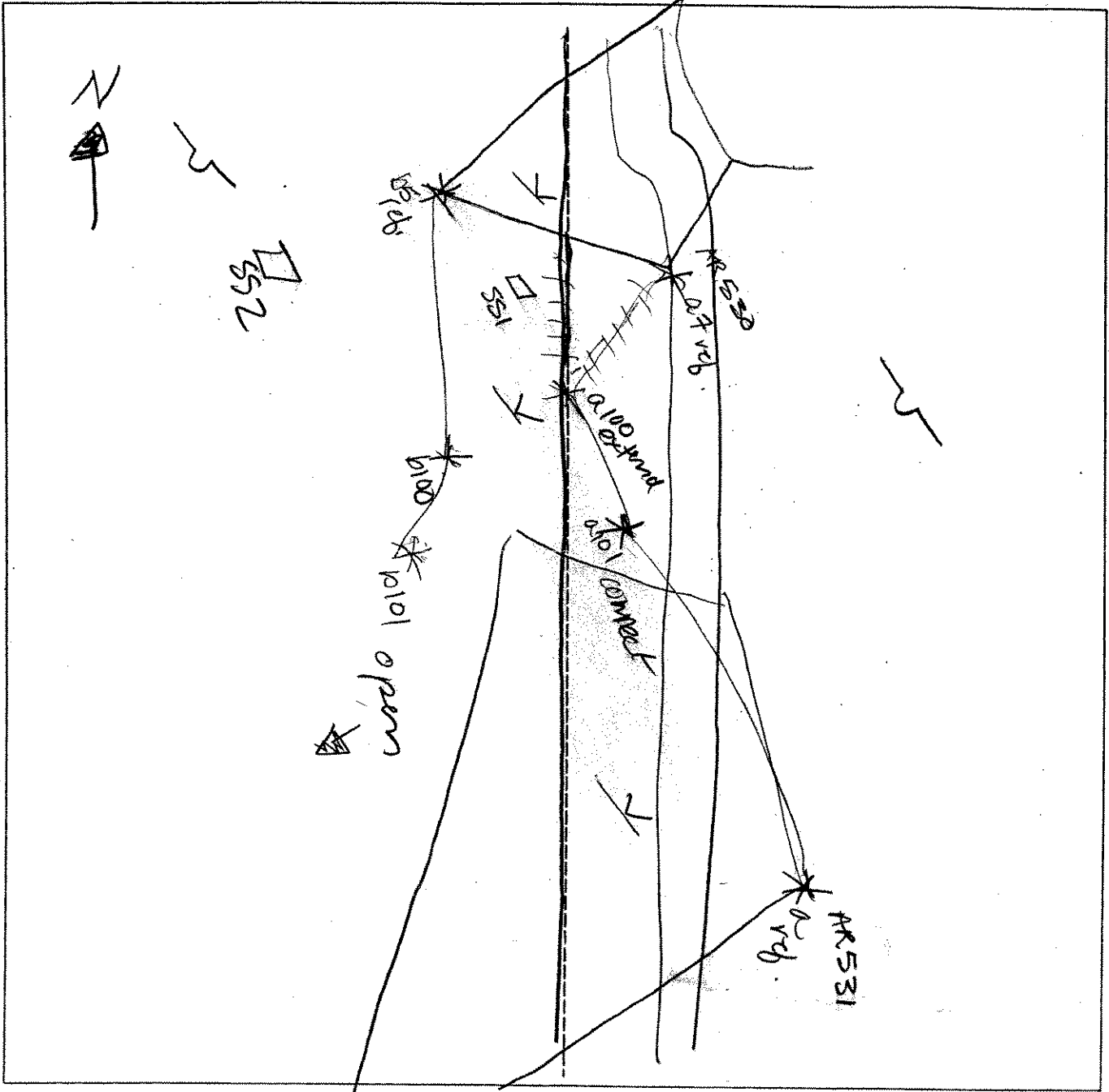
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR530 EXTENSION</b>	Date: <b>10 May 07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location: <b>T. 140</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD JV</u>	Date: <u>11/11/05</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR531-A-SSI</u>							

**VEGETATION**

Plant Community Classification: <u>PSS</u> Percent Canopy Cover: <u>1</u> Tree: <u>15</u> Shrub: <u>80</u> Herb: <u>90</u> Vine: <u>-</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>G. Birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Dogwood</u>	<u>S</u>	<u>-</u>	11.		
4. <u>Clubmoss</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Sphag moss</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Kalmia ang.</u>	<u>S/H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Not Recorded</u>	

Date: 11/11/05  
 Community ID:  
 Plot ID: AR 531 - A - SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Not Recorded

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks



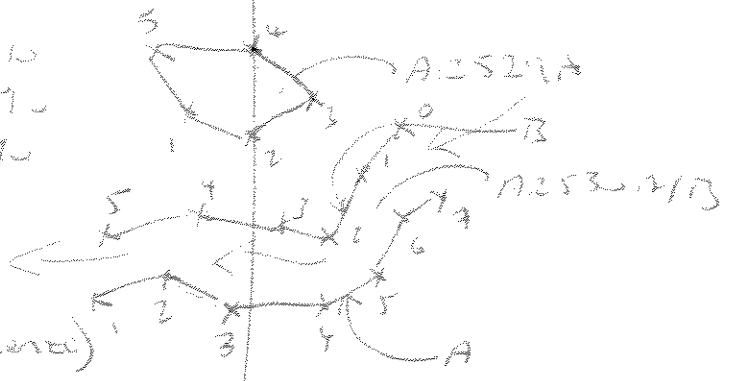
11/1/15

Delaware County, Pennsylvania

Wilmington 1505  
140

1325 - Delaware (WTG 1111A)  
 (Wilmington (PFO/PSS))  
 Roll - Paved 1 → E 15' width -  
 Kerf curb T/S  
 Gray brick - S  
 Diagonal S  
 Churn H  
 Spray man H  
 Chain for H

Curb:  
 TRCB 20%  
 Sash - 85%  
 Inlet - 35%



1335 - Delaware (A25321A) (PFO with curb (curb))

ISLAND  
 Red maple T/S  
 Chain H  
 Spray man H  
 Green sp. H  
 Gray brick S  
 T.V. No. 200 T

Curb:  
 TRCB 30%  
 Inlet 70%  
 Inlet 75%

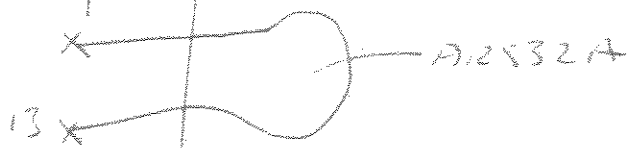
\* no showings  
 on out of film



1330 - Delaware (A253011D) (PFO)

Red maple T/S  
 Gray brick T/S  
 Chain H  
 Spray man H

Curb: TRCB 30%  
 Sash - 45%  
 Inlet - 95%

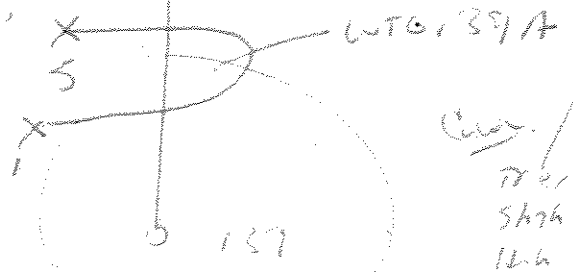


1445 - Delaware  
 WTG 139A  
 MCBIC. Kalmia S  
 Red maple T/S  
 Gray brick S 11B  
 White pine S 16 ft - 3  
 Prairie for H Tule 1/4  
 Spray man H  
 Chain H

1345 - Delaware (A2531A) (PSS)

Red maple T/S  
 Gray brick T/S  
 Diagonal S  
 Chain H  
 Spray man H  
 Kalmia Apr S/H

Curb:  
 TRCB 15%  
 Sash 80%  
 Inlet 90%



Curb:  
 TRCB - 5%  
 Sash - 95%  
 Inlet - 85%

1400 - A25323 (PSS)

TRCB - 75%  
 Sash - 95%  
 Inlet - 80%

Special  
 A2531A

D.G. #4

Wetland

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble Run</i> Applicant/Owner: <i>Marble Run LLC</i> Investigator: <i>BPA</i>	Date: <i>5/13/00</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? (If needed, explain on reverse.) Yes <input checked="" type="radio"/> No	Community ID: <i>PEO/P46</i> Transect ID: Plot ID: <i>PZ 534-A series - 551</i>

VEGETATION

Plant Community Classification:  
Percent Canopy Cover: Tree: *0* Shrub: *63.0* Herb: *85.6* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Bidens</i>	<i>Shrub</i>	<i>FACW</i>	<i>9.</i>		
<i>2. Associated Grasses &amp;</i>	<i>Herb</i>	<i>FACW</i>	<i>10.</i>		
<i>3. Herb</i>			<i>11.</i>		
<i>4.</i>			<i>12.</i>		
<i>5.</i>			<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
Remarks:  
*Assume FACW for Grasses & Herbs, unable to ID due to seasonal conditions, most likely Green Bull Rush & Blue joint - FACW*

HYDROLOGY

<p>Recorded Data (Describe in Remarks):  <input type="checkbox"/> Stream, Lake, or Tide Gauge  <input type="checkbox"/> Aerial Photographs  <input type="checkbox"/> Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:  Primary Indicators:  <input type="checkbox"/> Inundated  <input type="checkbox"/> Saturated  <input checked="" type="checkbox"/> Water Marks  <input checked="" type="checkbox"/> Drift lines  <input checked="" type="checkbox"/> Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands  Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves  <input type="checkbox"/> Local Soil survey Data  <input type="checkbox"/> FAC-Neutral Test  <input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:  Depth of Surface Water (in.): <i>ndy flowing stream</i>  Depth to Free Standing Water in Pit (in.): <i>surface</i>  Depth to Saturated Soil (in.): <i>surface</i></p>	
Remarks:	

Date: 5/15/06  
 Community ID: 0500 / P85  
 Plot ID:

DR 534 Agnes - 651

**SOILS**

Map Unit Name (Series and Phase): N/D  
 Taxonomy (SubGroup): N/K  
 Drainage Class: PID  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	AP	10YR 2/1	None	None	FSL
12-18	BW <sub>1</sub>	10YR 5/1	None	None	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks

U.6 - A4  
Upland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BPR</i>	Date: <i>5/15/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>PFO/065</i> Transect ID: Plot ID: <i>A2534 - A Series - 652</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>63.0</i> Shrub: <i>10.5</i> Herb: <i>36.0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Blk Cherry</i>	<i>Tree</i>	<i>FACU</i>	9.		
2. <i>Deer</i>	<i>Tree</i>	<i>FACU</i>	10.		
3. <i>Grey Birch</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Hazel nut</i>	<i>Shrub</i>	<i>FACU</i>	12.		
5. <i>Birch</i>	<i>Shrub</i>	<i>FACU</i>	13.		
6. <i>Blk cherry Seedling</i>	<i>Herb</i>	<i>FACU</i>	14.		
7. <i>Red Raspberry</i>	<i>Herb</i>	<i>FACU</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/7</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 16"</i>  Depth to Saturated Soil (in.): <i>&gt; 16"</i>	
Remarks:	

Date: 5/15/06  
 Community ID: 200/065  
 Plot ID:

A2534 A Series 852

**SOILS**

Map Unit Name (Series and Phase): N/A  Taxonomy (SubGroup): N/A	Drainage Class: MWD  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10Y2-3/2	None	None	SSL
8-16	Bw1	10Y2 4/6	None	None	SSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Wetlands Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Hydric Soils Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
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Remarks: Well defined boundary into stream P80

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Wetland  
D.6-B7  
P2534-B7

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River Lha</u> Investigator: <u>BR</u>	Date: <u>5/16/06</u> County: <u>Cimarron</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>Pen</u> Transect ID: Plot ID: <u>P2534-801</u>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>63.0</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Speciated w/ Carya</u>	<u>Herb</u>	<u>FACW</u>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Assumed FACW (Sedges, Sunnys, Blue juncos) definitive ID</u> <u>unavailable 5/16/06</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks <input checked="" type="checkbox"/> Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>none</u>  Depth to Free Standing Water in Pit (in.): <u>Surface</u>  Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	

Well defined Sedge

Date: 5/16/06  
 Community ID: TEH  
 Plot ID:  
 AR 534 - 801

**SOILS**

Map Unit Name (Series and Phase): N/A  
 Taxonomy (SubGroup): U/A  
 Drainage Class: PD  
 Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	Ap	10YR 3/1	10YR 5/8	Few / Med / D.A.	SL

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

Wetland adj. stream and small pond well defined.

Upland

U.G - 07

AD 534 - ~~AD~~ 552

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/14/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Community ID: <i>PEO</i> Transect ID: Plot ID: <i>552</i>

VEGETATION

Plant Community Classification:  
Percent Canopy Cover: Tree: *63.0* Shrub: *10.5* Herb: *85.5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grey Sunk</i>	<i>Trees</i>	<i>FAC</i>	9.		
2. <i>Carb Maple</i>	<i>Tree</i>	<i>Dpl</i>	10.		
3. <i>B/W Cherry</i>	<i>Shrub</i>	<i>FACU</i>	11.		
4. <i>Aspen</i>	<i>Tree</i>	<i>FACU</i>	12.		
5. <i>Red Raspberry</i>	<i>Shrub</i>	<i>FACU</i>	13.		
6. <i>Beard Grass</i>	<i>Herb</i>	<i>F.ACV</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *1/0*

Remarks:  
*Assorted Grasses assumed FACU, no definitive ID due to seasonal conditions from field grasses*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 15"</i> Depth to Saturated Soil (in.): <i>&gt; 15"</i>	
Remarks:	



upland

Date: 5/14/06  
Community ID: FEM  
Plot ID:

A2534-852

**SOILS**

Map Unit Name  
(Series and Phase): N/A

Drainage Class: WD

Taxonomy (SubGroup): N/A

Field Observations  
Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	Ap	10YR 3/1	None	None	Fgl
12-15	Bw <sub>1</sub>	10YR 7/6	None	None	Fgl

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

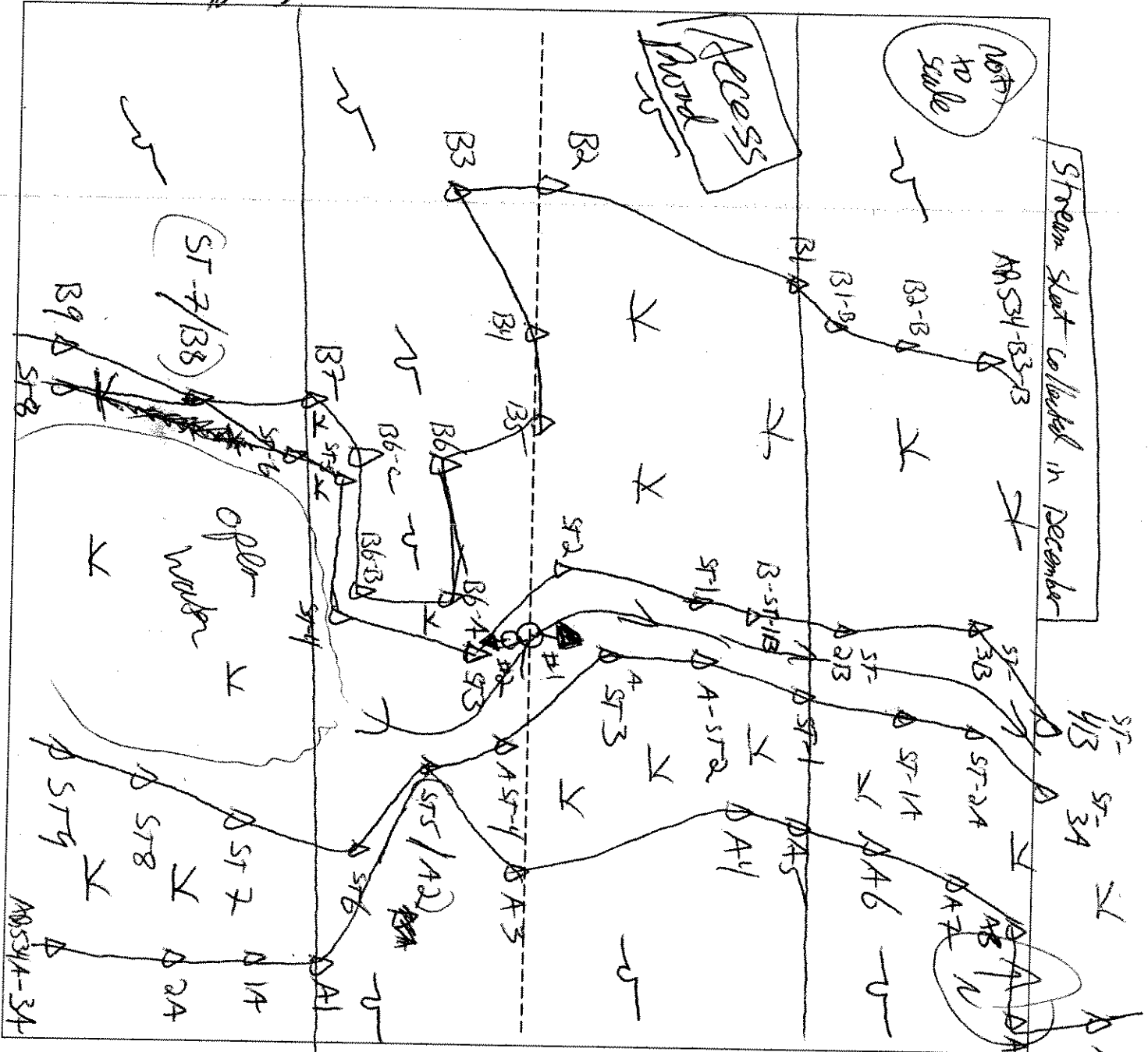
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

well defined boundary, wetland at bottom of slope

SKETCH FORM

Wetland ID/Route #: <u>AR 534A/B</u>		Date: <u>5/15/06</u>	Time:
Initials of Delineators: <u>LSH, BR</u>		Location: <u>AR to WTB-21 from Rte. 189</u>	
Roll #: <u>16H</u>	Frames: <u>1, 2, 3, 4, 5</u>		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>BR, KA</i>	Date: <i>5/16/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR538A-SS1</i>

**VEGETATION**

Plant Community Classification: *PSS*  
Percent Canopy Cover: Tree: *30* Shrub: *70* Herb: *90* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Willow Sp</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Reed Canarygrass</i>	<i>H</i>	<i>FACW</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <i>at 6"</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.): <i>6"</i>  Depth to Saturated Soil (in.): <i>6"</i>	
Remarks:	

Date: 5/16/06  
 Community ID: wetland  
 Plot ID: AB528A-551

**SOILS**

Map Unit Name (Series and Phase): *N/A*      Drainage Class: *PB*  
 Taxonomy (SubGroup): *N/A*      Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	<del>A</del>	10YR 3/1	None	None	Flow
8-16	Bw <sub>1</sub>	10YR 4/2	10YR 4/1	Fine/Med/Coars	Flow

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Morble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>BSR, JSD</i>	Date: <i>5/16/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR538A-552</i>

**VEGETATION**

Plant Community Classification: *Ag field with bordering deciduous forest*  
 Percent Canopy Cover: Tree: *40* Shrub: *40* Herb: *90* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Black cherry</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>Black cherry</i>	<i>S</i>	<i>FACU</i>	10.		
3. <i>Quaking Asp</i>	<i>T</i>	<i>FACU</i>	11.		
4. <i>Grey Birch</i>	<i>Scap</i>	<i>FAC</i>	12.		
5. <i>Hawthorn</i>	<i>Scap</i>	<i>FACU</i>	13.		
6. <i>Field Grass</i>	<i>Herb</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/6*

Remarks: *Assumed FAC unable to ID due to seasonal conditions.*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 15"</i>  Depth to Saturated Soil (in.): <i>&gt; 15"</i>	
Remarks:	

Date: 5/16/06  
 Community ID: Upland  
 Plot ID: AA 538A-552

**SOILS**

Map Unit Name (Series and Phase): *N/A*

Drainage Class: *MWD*

Taxonomy (SubGroup): *N/A*

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
<i>0-15</i>	<i>Ap</i>	<i>10Y2 4/6</i>	<i>None</i>	<i>None</i>	<i>FLA</i>

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

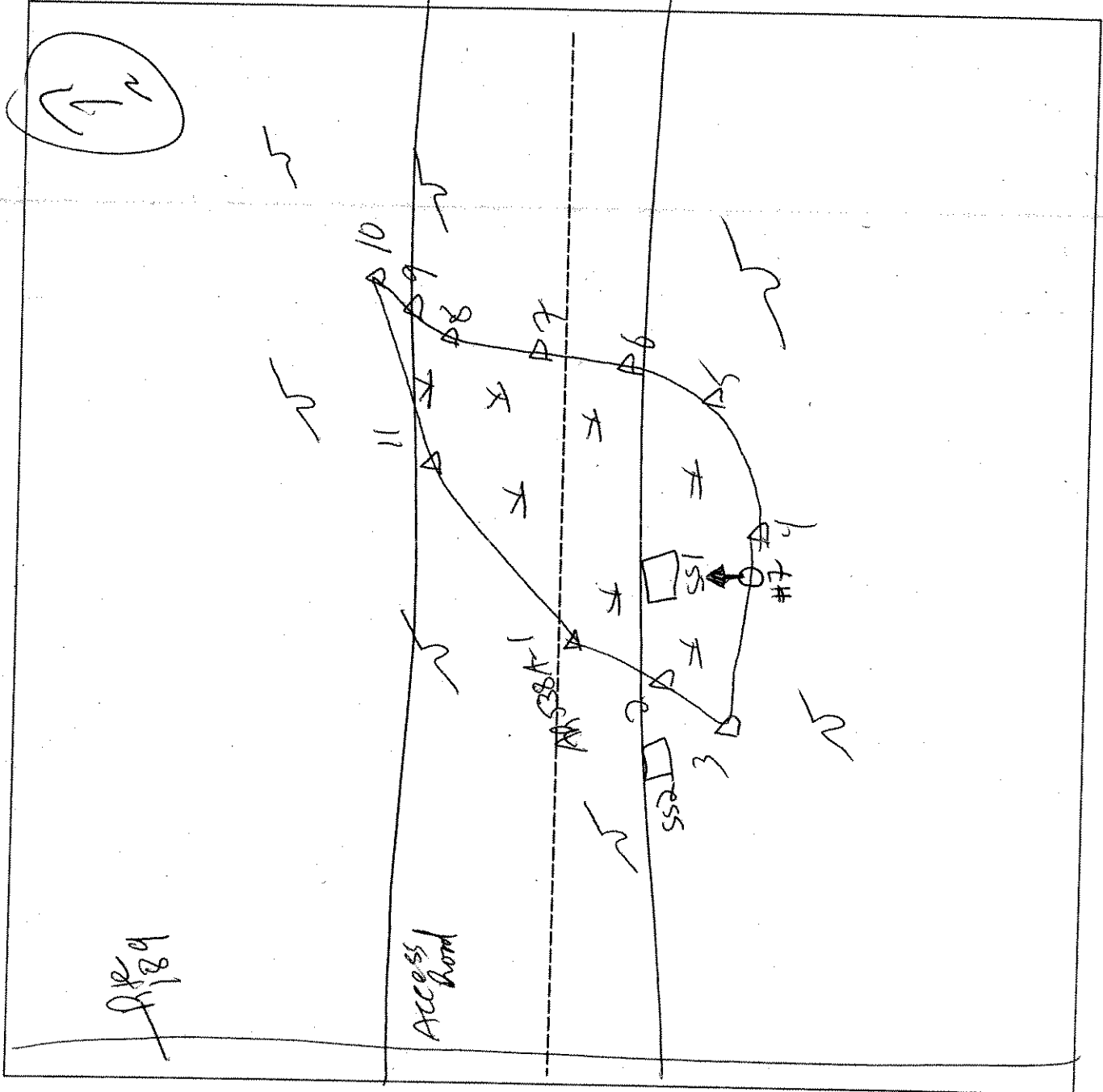
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

*Previously farmed area*

SKETCH FORM

Wetland ID/Route #: <i>AR 538A</i>	Date: <i>5/16/06</i>	Time:
Initials of Delineators: <i>BR, ISH</i>	Location: <i>AR off of Rte 189</i>	
Roll #: <i>KH</i>	Frames: <i>7 - looks N</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

10-10-2  
 122 1012111

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RID JV</u>	Date: <u>5-21-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR540A-SSI</u>

**VEGETATION**

PSS

Plant Community Classification: PSS1/OW

Percent Canopy Cover: Tree: 0% Shrub: 60% Herb: 10% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Silky Willow</u>	<u>S</u>	<u>OBL</u>	9. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>
2. <u>BLAK Willow</u>	<u>S</u>	<u>FACW</u>	10. <u>R. Maple</u>	<u>S</u>	<u>FAC</u>
3. <u>S. Alder</u>	<u>S</u>	<u>FACW+</u>	11.		
4. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>S. affinis</u>	<u>H</u>	<u>FACW+</u>	13.		
6. <u>Carex Crinata</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>12" +</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	Remarks:



Date: 5-21-06  
 Community ID: Wetland  
 Plot ID: AR540A SSI

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1			silt loam
8-10	B	1.5YR 5/2			sand

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Refusal @ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

Photo 2 => N of SSI  
 Wetland is isolated

2010  
2010  
2010

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <b>NI River</b> Applicant/Owner: <b>M RIVER LLC</b> Investigator: <b>RJD JV</b>	Date: <b>5-21-06</b> County: <b>Clinton</b> State: <b>NV</b>
Do Normal Circumstances exist on the site? <b>Yes</b> Is the site significantly disturbed (Atypical Situation)? <b>Yes</b> Is the area a potential Problem Area? <b>Yes</b> (If needed, explain on reverse.)	Community ID: <b>Upland</b> Transect ID: <b>PFO1</b> Plot ID: <b>AR540A-SSR</b>

**VEGETATION**

Plant Community Classification: ~~PEAT~~ **Forested Deciduous**  
Percent Canopy Cover: Tree: **05%** Shrub: **105%** Herb: **15%** Vine: **0%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>Am. Beech</b>	<b>T/S</b>	<b>FACU</b>	9. <b>Muskflower</b>	<b>T/S</b>	<b>FAC-</b>
2. <b>Bk. Cherry</b>	<b>T</b>	<b>FACU</b>	10. <b>Whort. Wood Aster</b>	<b>T/S</b>	<b>UPL</b>
3. <b>R. Maple</b>	<b>T/S/H</b>	<b>FAC</b>	11. <b>Tale Club Moss</b>	<b>H</b>	<b>FACU</b>
4. <b>G. Birch</b>	<b>T</b>	<b>FAC</b>	12.		
5. <b>Yellow Birch</b>	<b>T</b>	<b>FAC</b>	13.		
6. <b>Hobble bush</b>	<b>S</b>	<b>FAC</b>	14.		
7. <b>Striped Maple</b>	<b>S</b>	<b>FACU</b>	15.		
8. <b>Wood Fern</b>	<b>H</b>	<b>FAC</b>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **50%**

Remarks: **Mature Forest**

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <b>N/A</b> <input checked="" type="checkbox"/> Saturated <b>N/A</b> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <b>N/A</b> Depth to Free Standing Water in Pit (in.): <b>N/A</b> Depth to Saturated Soil (in.): <b>N/A</b>	Remarks:

Date: 5-21-06  
 Community ID: upland  
 Plot ID: AR 540A-SSR

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O				organics
2-4	A	10YR 2/1			Silt loam
4-6	E	7.5YR 5/2			Sand
6-10	B <sub>1</sub>	7.5YR 2.5/3			Silty clay loam
10-12	B <sub>2</sub>	7.5YR 3/4			Silty clay loam w/ gravel

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

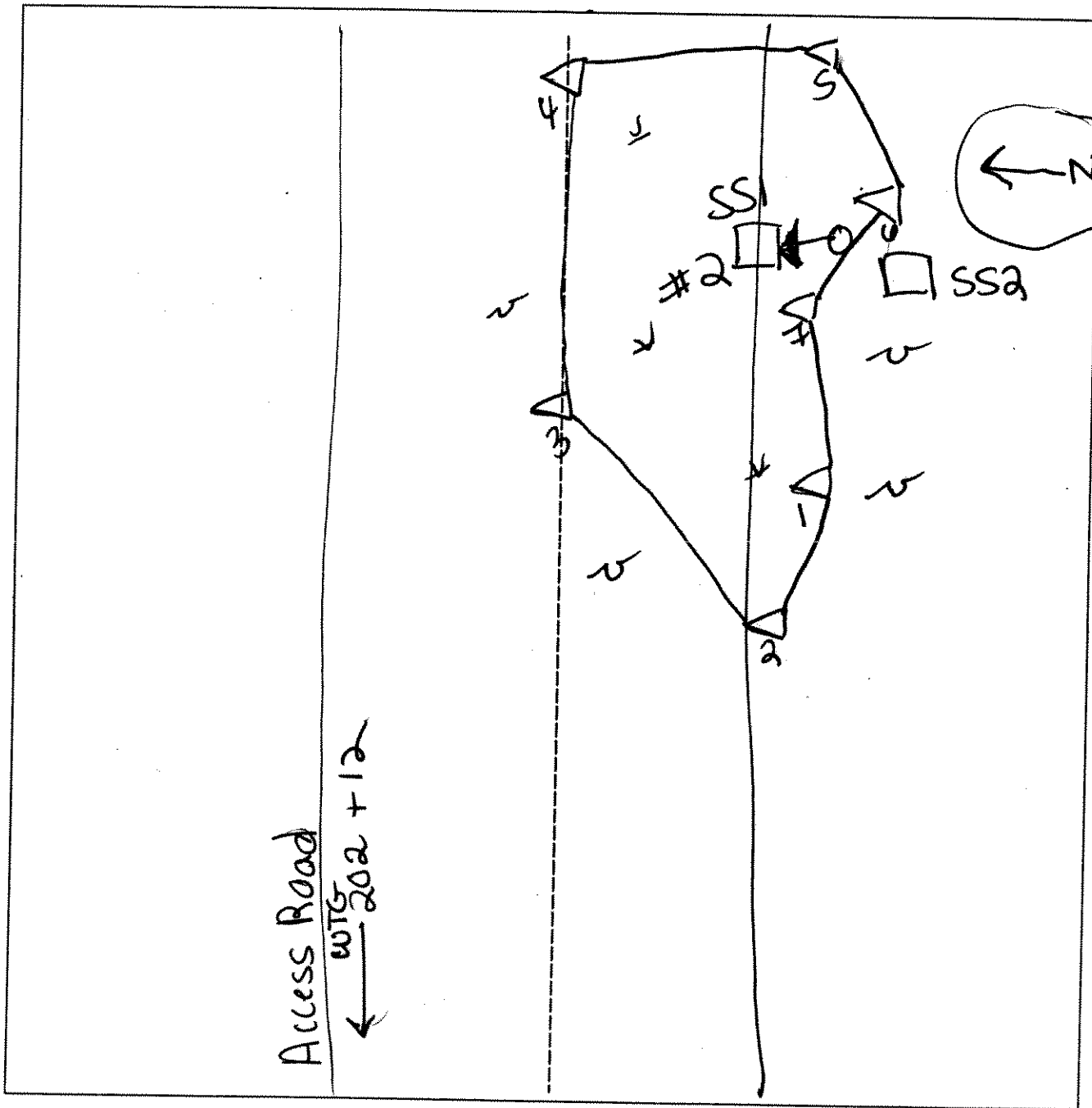
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR 540A</b>	Date: <b>5-21-06</b>	Time:
Initials of Delineators: <b>RJD JV</b>	Location: <b>Access road to WTG 202 + 12</b>	
Roll #: <b>2 =&gt; N at SS1</b>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>s Marble River</u> Applicant/Owner: <u>City of the Marston, LLC</u> Investigator: <u>JV KH DU RD</u>	Date: <u>5-2-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>PR 599A1 SSI</u> <span style="float: right;"><u>599A2</u></span>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>25%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Spekled Alder</u>	<u>T</u>	<u>FACW</u>	9. <u>Elderberry</u>	<u>S</u>	<u>FACW</u>
2. <u>Red Maple</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Silky Willow</u>	<u>S</u>	<u>OBL</u>	11.		
4. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Golden Rod</u>	<u>H</u>	<u>unknown</u>	13.		
6. <u>Reed Canary Grass</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>un i.d Herb A</u>	<u>H</u>	<u>-</u>	15.		
8. <u>un i.d Herb B</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u>					
Remarks: <del>Herb B: <u>Celandine</u></del> Herb A: <u>Stoncrop Sp.</u> <del><u>Sedum sp.</u></del>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge  <input checked="" type="checkbox"/> Aerial Photographs          ___ Other          ___ No Recorded Data Available</p> <p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>0</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>12"</u></p> <p>Depth to Saturated Soil (in.):</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <p>Secondary Indicators (2 or more required):</p> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Remarks:	

Date: 5-2-06  
 Community ID: Wetland  
 Plot ID: AR 599A1 S51  
 599A2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 2/1	—	—	Sandy Loam

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

Photo 3 = 7E

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>F Marble River</u> Applicant/Owner: <u>N/A</u> Investigator: <u>JV KH DO KD LLC (MARBLE RIVER)</u>	Date: <u>5-2-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 599A1 SS 2</u> <u>599A2</u>

**VEGETATION**

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Dandelion</u>	<u>H</u>	<u>UPL</u>	9.		
2. <u>Grass sp</u>	<u>H</u>	<u>UPL</u>	10.		
3.		<u>Unknown</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-2-06  
 Community ID: upland  
 Plot ID: AR 599 A1552  
 599A2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10 YR 3/2	—	—	Sandy Loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Refusal @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

Photo 3 => E



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR599A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td align="center"><input checked="" type="radio"/> Yes</td> <td align="center"><input type="radio"/> No</td> </tr> <tr> <td align="center">Yes</td> <td align="center"><input checked="" type="radio"/> No</td> </tr> <tr> <td align="center">Yes</td> <td align="center">No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	No						
Community ID: PSS Transect ID: Plot ID: AR700A - SSI AR599A							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 0 Shrub: 90 Herb: 05 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Airius rugosa</i>	S	FACW	9.		
2. <i>SALIX</i>	S	FACW	10.		
3. <i>Spiraea latifolia</i>	S	FACW	11.		
4. <i>Rhus glabra</i>	H		12.		
5. <i>Solidago sp</i>	H		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: cannot I.d due to time of year.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 2+'' Depth to Free Standing Water in Pit (in.): 4'' Depth to Saturated Soil (in.): 8''	
Remarks:	

Date:  
 Community ID:  
 Plot ID: 851

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			Silt
2-10	A	10YR 2/1			loamy sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: saturation @ 0", standing H<sub>2</sub>O impet @ 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	

Remarks: <sup>Photo 3</sup> HR 700 = E  
 photo 4 599 = NE  
 DEC WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: <u>AR700A</u> Plot ID: <u>AR599A</u> <u>SSA</u>

**VEGETATION**

Plant Community Classification: <u>Arad side</u>					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <u>95</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Galium</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Trifolium</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Solidago sp</u>	<u>H</u>	<u>—</u>	11.		
4. <u>grass sp</u>	<u>H</u>	<u>—</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&lt;50%</u>					
Remarks: <u>Cannot id due to season</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: AR700A  
 Plot ID: AR599A

SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10.9R 4/2			sand
3-15	B	10YR 4/3			sand

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                         | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                  | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                    | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions              | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors      | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: soils are comprised of sand and fill.  
 >50% coarse fragments.

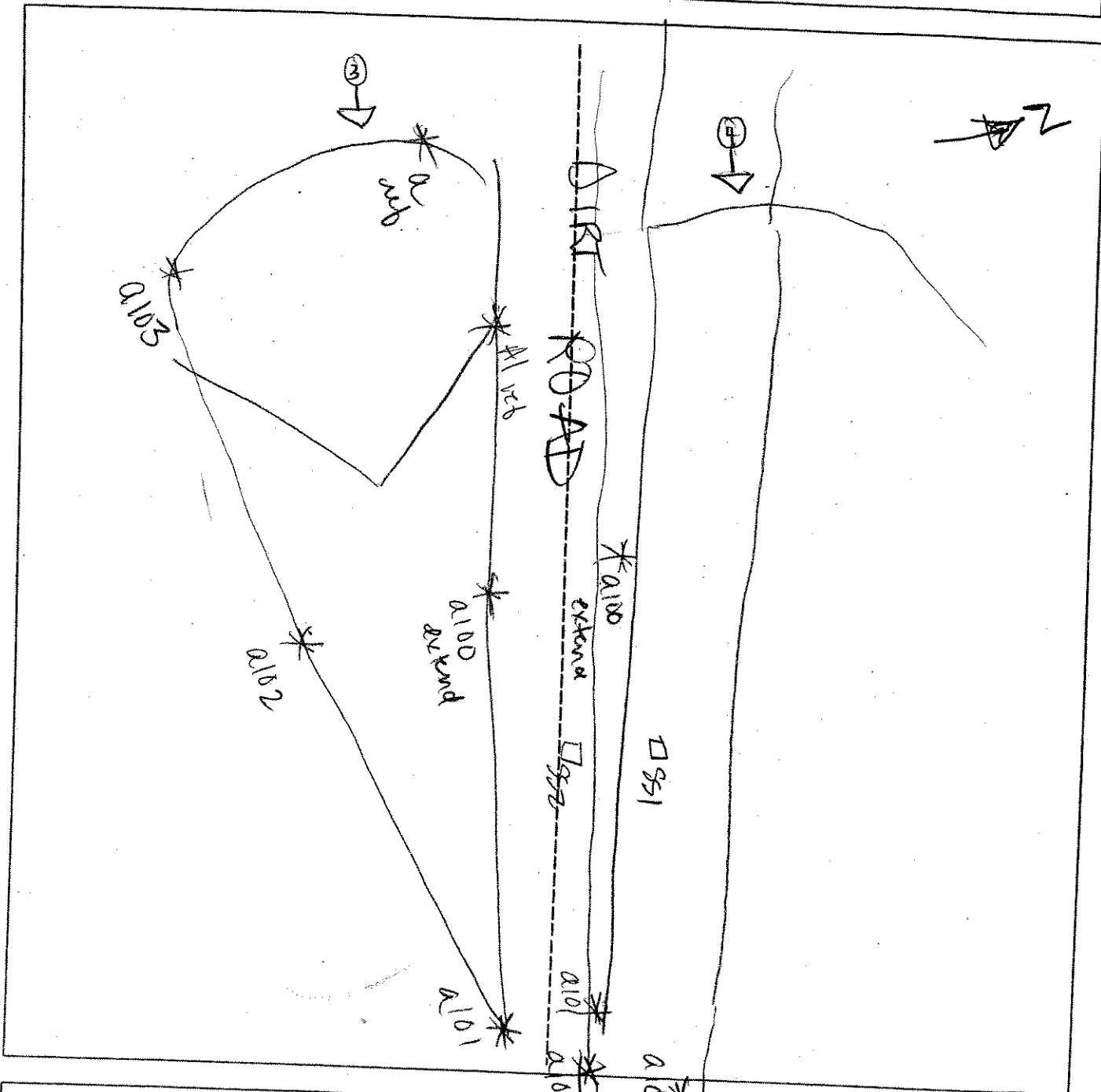
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present? Yes <input checked="" type="radio"/> No	
Hydric Soils Present? Yes <input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: AR 700 A <u>AR 599 A</u> EXT		Date: 5/9/07	Time:
Initials of Delineators: JV AP		Location: Clinton Mills Road	
Roll #:	Frames:		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>for LLC</u> Investigator: <u>JV RH RW DO</u>	Date: <u>5-2-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 599 B/SS1</u>

599B2

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>75%</u> Herb: <u>95%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Keed Canary</u>	<u>H</u>	<u>FACW+</u>	9.		
2. <u>Elderberry</u>	<u>S</u>	<u>FACW-</u>	10.		
3. <u>Solidago sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Hamamint sp.</u>	<u>H</u>	<u>-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-2-06  
 Community ID: Wetland  
 Plot ID: AR 599B1551  
 599B2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-12	A	10YR 2/1	—	—	Silty Loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 refusal @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks  
 Photo 4 => NW

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <b>T Marble River</b>	Date: <b>5-2-06</b>
Applicant/Owner: <b>LLC</b>	County: <b>Clinton</b>
Investigator: <b>IV DO KH KH</b>	State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <b>upland</b> Transect ID: Plot ID: <b>AR 599B1 S52</b> <b>599B2</b>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: **Successional**

Percent Canopy Cover: Tree: **25%** Shrub: **90%** Herb: **00%** Vine: **25%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. American Elm	T	FACW-	9.		
2. Grass sp.	H	UPL	10.		
3. Mustard sp.	H	-	11.		
4. Joe pye weed	H	FACW	12.		
5. Virginia Bower	V	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **50%**

Remarks:

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	
Remarks:	



Date: 5-2-06  
 Community ID: upland  
 Plot ID: AR 599 B1 552  
 599 B2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/2	—	—	Loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Refusal @ 10"

**WETLAND DETERMINATION**

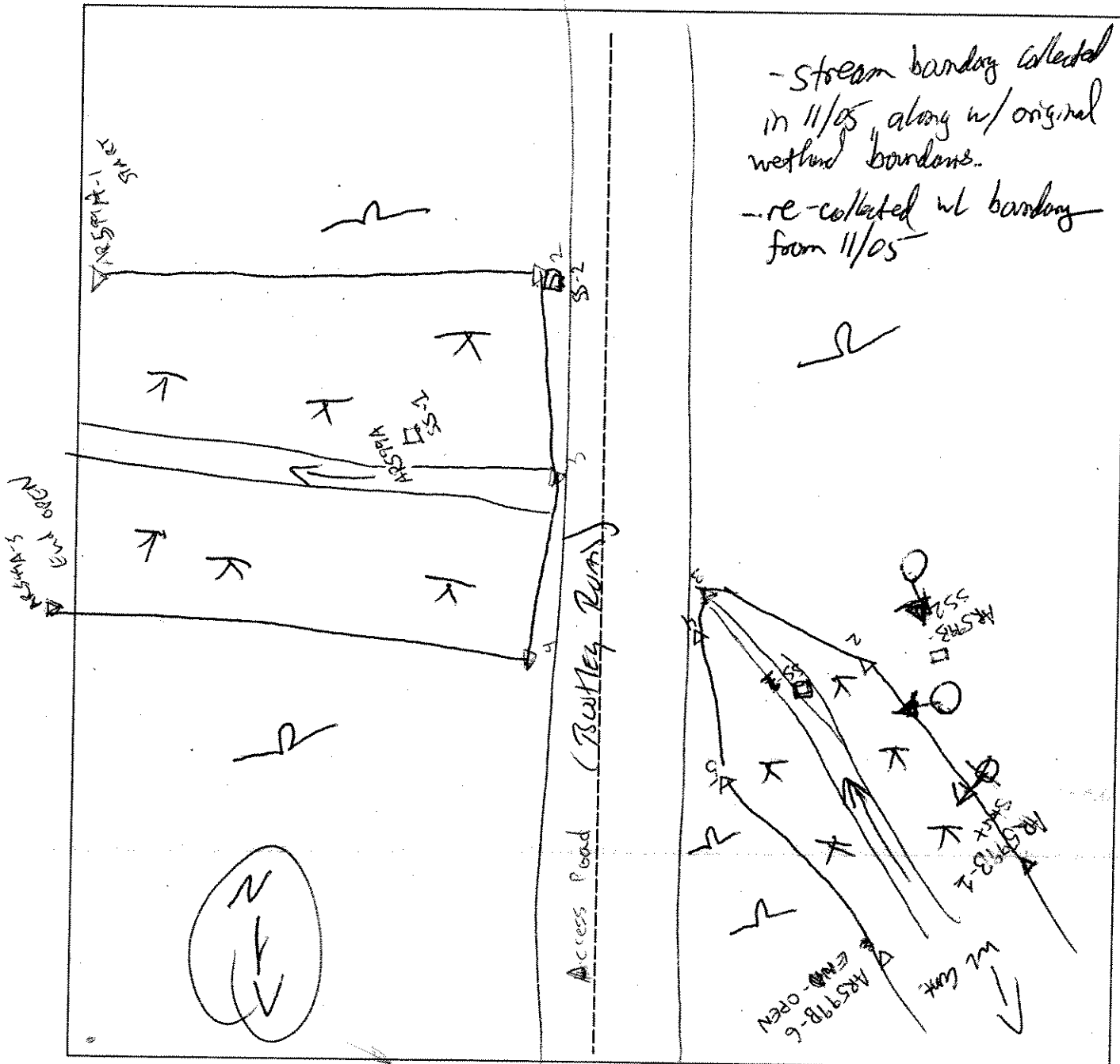
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

Photos => N

SKETCH FORM

Wetland ID/Route #: <u>ARB-ARS99 A/B</u>	Date: <u>5/2/06</u>	Time:
Initials of Delineators: <u>JSH, KD, JV</u>	Location: <u>Bostley Pk</u>	
Roll #: <u>BH camera</u>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, KSH</i>	Date: <i>11/7/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: Plot ID: <i>A600A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>35</i> Herb: <i>95</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Speckled Alder</i>	<i>S</i>		9.		
2. <i>shrub sp?</i>	<i>S</i>		10.		
3. <i>Grass sp</i>	<i>H</i>		11.		
4. <i>Mountain Sweet</i>	<i>S</i>		12.		
5. <i>Sphagnum</i>	<i>H</i>		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>NO leaves on veg. - difficult to ID</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>2</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

A300A-w2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-2/1			Silt loam
4-8	B	10YR-3/1			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Refusal of Auger 8"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No		(Circle)		(Circle)
Wetlands Hydrology Present?	(Yes) No				
Hydric Soils Present?	(Yes) No		Is this Sample Station Point Within a Wetland?	(Yes) No	
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>ISSH, ISH</i>	Date: <i>11/7/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AP 600A-SSA</i>

**VEGETATION**

Plant Community Classification: *upland forest*

Percent Canopy Cover: Tree: *50* Shrub: *10* Herb: *5* Vine: *1*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Black Cherry</i>	<i>S</i>		10.		
3. <i>Meadow Sweet</i>	<i>H</i>		11.		
4. <i>cow vetch</i>	<i>H</i>		12.		
5. <i>Strawberry</i>	<i>H</i>		13.		
6. <i>Rubus Sp</i>	<i>H</i>		14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 18 in</i> Depth to Saturated Soil (in.): <i>&gt; 18 in</i>	
Remarks:	

AP300A-upl

**SOILS**

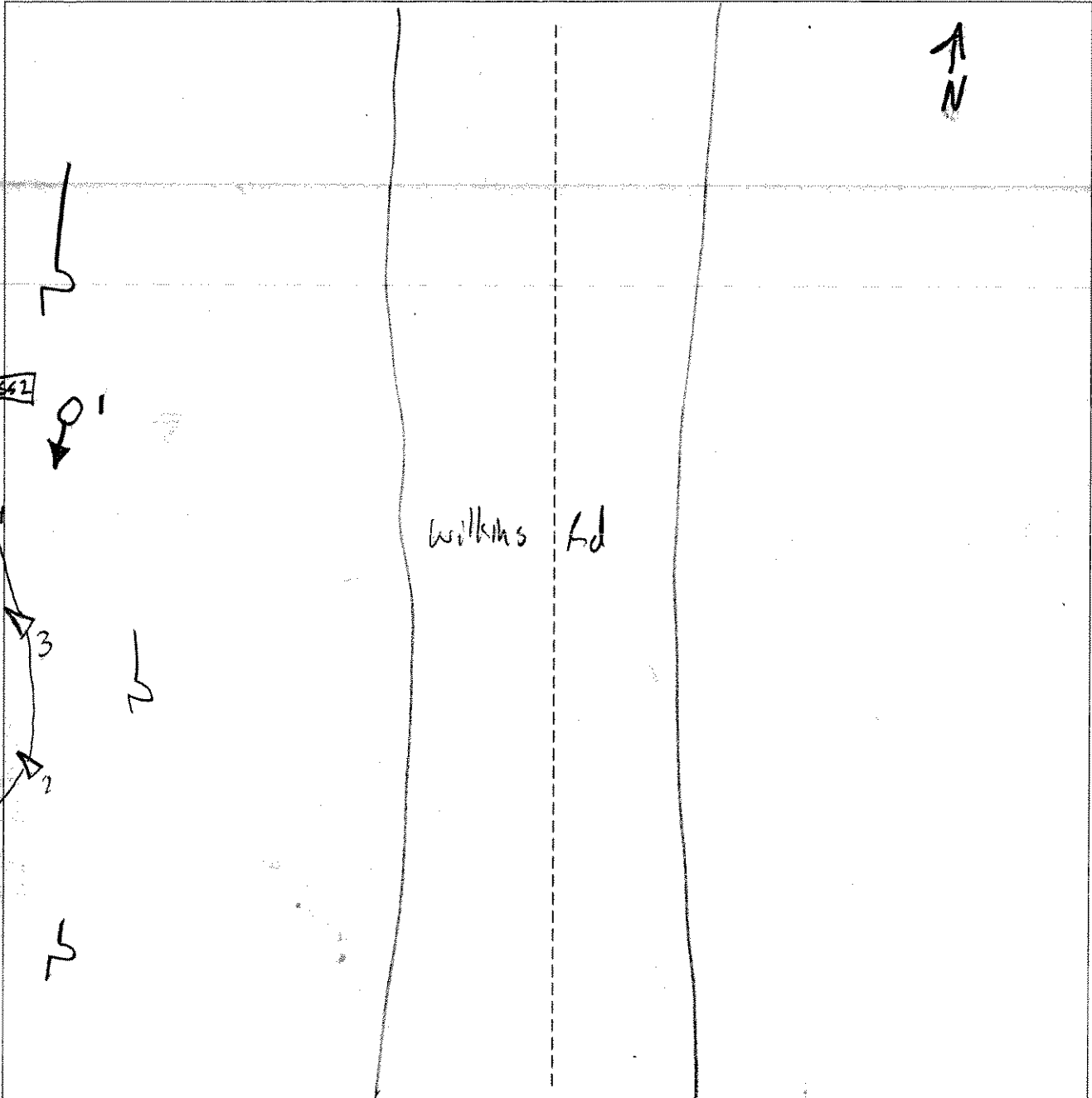
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-11	A	10YR-2/2	5YR-1/6	Few / large / distinct	loam
12-18	A <sub>1</sub>	" "	" "	" " "	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>			
Hydric Soils Present?	Yes <input checked="" type="radio"/>	No			
			Is this Sample Station Point Within a Wetland?	Yes	No <input checked="" type="radio"/>
Remarks					

**AL600A SKETCH FORM**

Wetland ID/Route #:	Date: 11-7-05	Time: 0930
Intials of Delineators: KSH / KH	Location: Wilkins Prop.	
Roll #: KSHCAM	Frames: 1	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>ISSM, JSH</i>	Date: <i>11/9/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PEM</i> Transect ID: Plot ID: <i>AMB01A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover:		Tree: <i>30</i>	Shrub: <i>20</i>	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Spiculated Alder</i>	<i>S</i>		10.		
3. <i>Sensitive Fern</i>	<i>H</i>	<i>FACV</i>	11.		
4. <i>Wood Fern</i>	<i>H</i>		12.		
5. <i>Large Golden Rod</i>	<i>H</i>		13.		
6. <i>Rubus Sp</i>			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>1 inch in places</i> Depth to Free Standing Water in Pit (in.): <i>3</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	



AR30/A-WL

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-3/1			silt loam w/organics

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: - refusal of Auger 4 inches  
 - shallow bedrock

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes No
Wetlands Hydrology Present?	Yes No			Yes No
Hydric Soils Present?	Yes No			Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>JSH, JH</i>	Date: <i>11/7/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR601A-SSR</i>

**VEGETATION**

Plant Community Classification: <i>Upland Forest</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>30</i> Herb: <i>25</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>F</i>	<i>FAC</i>	9.		
2. <i>Green Birch</i>	<i>F</i>	<i>FAC</i>	10.		
3. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Black cherry</i>	<i>S</i>		12.		
5. <i>Blackberry</i>	<i>H</i>	<i>FACV</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

AR301A - UPL

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR-2/1	.		Silt loam
2-12	B	7.5YR-3/3			Loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Refusal of Auger @ 12 inches*

**WETLAND DETERMINATION**

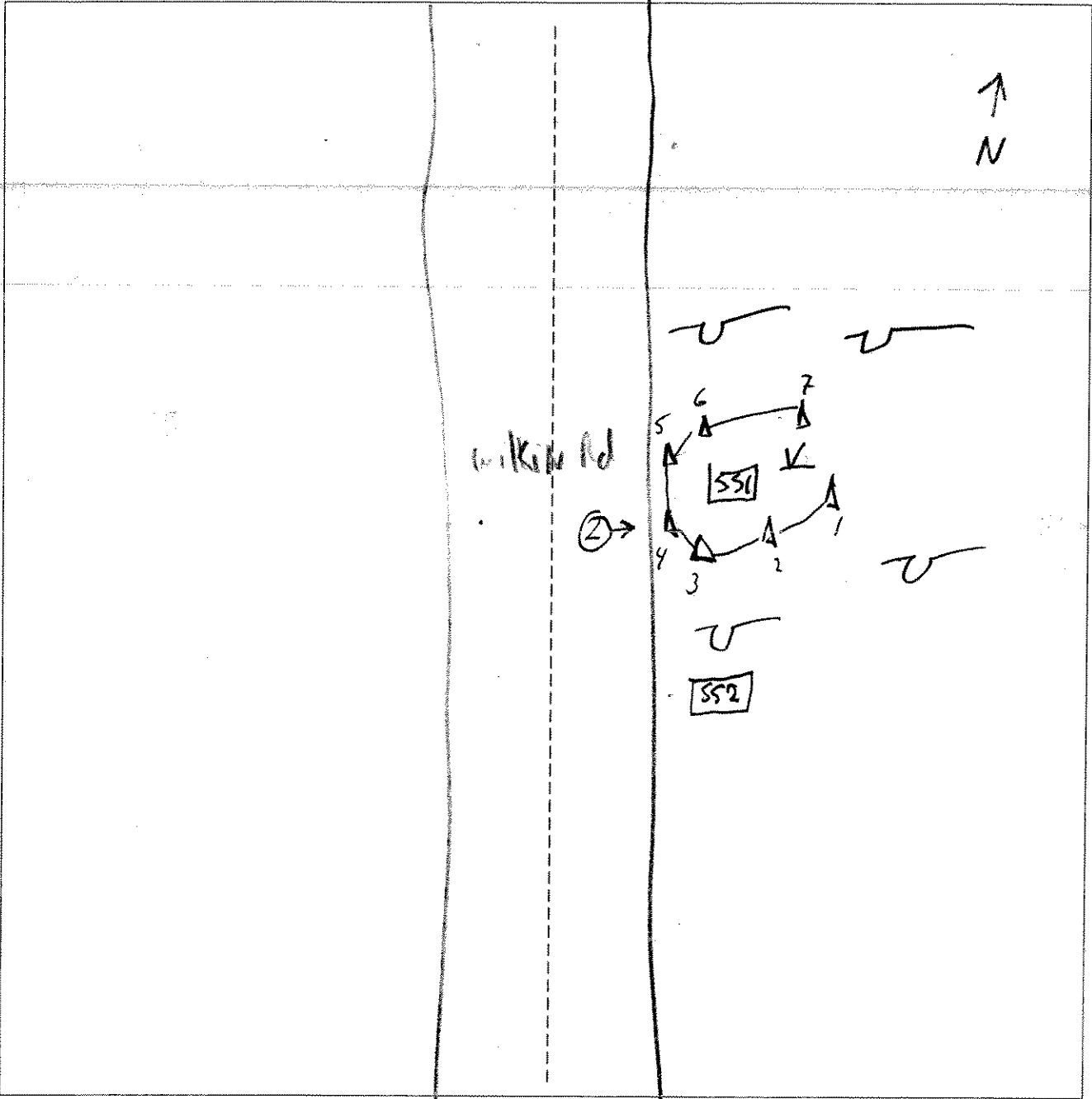
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No		
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No

Remarks

AR601-A

SKETCH FORM

Wetland ID/Route #:	Date: 11-7-05	Time: 1019
Initials of Delineators: KSII / KII	Location: Wilking Rd	
Roll #: KSII CAM	Frames: 2	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>DAVID DO</u>	Date: <u>5/3/06</u> County: <u>CATTARAUGUS</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>W02AN1</u> Transect ID: <u>AR602A</u> Plot ID: <u>SS1</u>

**VEGETATION**

Plant Community Covertypes: <u>DSS/DEM</u>		Height Tree Canopy: <u>Ø</u>		Height Shrub Layer: <u>up to 20'</u>		HERBS: <u>80%</u>	
Percent Cover Tree Canopy: <u>Ø</u>		Percent Cover Shrub Layer: <u>25%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. <u>RED MAPLE sapling</u>	<u>S</u>	<u>FAC</u>	9. <u>MEADOW SWEET</u>	<u>S</u>	<u>FACW+</u>		
2. <u>SHOP LARCEL</u>	<u>S</u>	<u>FAC</u>	10. <u>SPLEEKED ALDER</u>	<u>S</u>	<u>FACW+</u>		
3. <u>GRAY BIRCH</u>	<u>S</u>	<u>FAC</u>	11. <u>STEELIE BARK</u>	<u>S</u>	<u>FACW</u>		
4. <u>SILKY WILLOW</u>	<u>S</u>	<u>OBL</u>	12.				
5. <u>SPRING SUMMER</u>	<u>H</u>	<u>OBL*</u>	13.				
6. <u>S. ELGUSUS</u>	<u>H</u>	<u>FACW+</u>	14.				
7. <u>CINN FERN</u>	<u>H</u>	<u>FACW</u>	15.				
8. <u>Unidentified grass</u>	<u>H</u>	<u>—</u>	16.				
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>							
Remarks:  <p><b>* Not listed; presumed OBL</b></p>							

**HYDROLOGY**

Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>10" +</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 4/4	—	—	ORGANICS
3-9	A	10YR 2/2	—	—	HEAVY SILT LOAM
9-10	B	10YR 6/1	—	—	SANDY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					
<p style="font-size: 2em; font-family: cursive;">refused @ 10"</p>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Yes) No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RDS &amp; DO</u>	Date: <u>5/3/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>U01A1</u> Transect ID: <u>AR 602A</u> Plot ID: <u>582</u>

**VEGETATION**

Plant Community Covertype: <u>U01A1 FOREST (Decid)</u>					
Height Tree Canopy: <u>45-50'</u>		Height Shrub Layer: <u>15-20'</u>		Hdb: <u></u>	
Percent Cover Tree Canopy: <u>50%</u>		Percent Cover Shrub Layer: <u>50%</u>		<u>40%</u>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>BROWN BIRCH</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Y. ASPEN (Quake)</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>TRAILER FERN</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>TREE-LIKE CLUBMOSSES</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>WINTER GREEN</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>SHEEP LAUREL</u>	<u>S/H</u>	<u>FAC</u>	15.		
8. <u>BOISAIN FIR SEEDLINGS</u>	<u>S/H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 3/3	-	-	OR 6 A11/3
3-9	A	10YR 2/1	-	-	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:  <p style="font-size: 1.2em; margin-left: 20px;">Refusal of Aya at 9"</p>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	(Circle)
Is this Sample Station Point Within a Wetland? Yes <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">No</span>			
Remarks			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <u>MALBIE RIVER</u> Applicant/Owner: <u>MALBIE RIVER, LLC</u> Investigator: <u>RED, DO</u>	Date: <u>5/3/06</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <u>WETLANDS</u> Transect ID: <u>AR602B</u> Plot ID: <u>SS1</u>							

**VEGETATION**

Plant Community Coverttype: <u>PSS/PEM</u>		Height Tree Canopy:		Height Shrub Layer: <u>up to 20'</u> <u>HERB.</u>	
Percent Cover Tree Canopy: <u>0</u>		Percent Cover Shrub Layer: <u>60%</u>		<u>100%</u>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED maple</u>	<u>S</u>	<u>FAC</u>	9. <u>LUCEID SEDGE</u>	<u>H</u>	<u>OBL</u>
2. <u>GRAY Birch</u>	<u>S</u>	<u>FAC</u>	10. <u>J. E. M. S.</u>	<u>H</u>	<u>FACW+</u>
3. <u>SPARKLED Alder</u>	<u>S</u>	<u>FACW+</u>	11. <u>Reds canopy</u>	<u>H</u>	<u>FACW+</u>
4. <u>mirrored sedge</u>	<u>S</u>	<u>FACW+</u>	12. <u>STEELIE Birch</u>	<u>S</u>	<u>FACW</u>
5. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>	13.		
6. <u>SPINY maple</u>	<u>H</u>	<u>-</u>	14.		
7. <u>SHEEP Laurel</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Unknown Oak</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):  <input type="checkbox"/> Stream, Lake, or Tide Gauge  <input checked="" type="checkbox"/> Aerial Photographs  <input type="checkbox"/> Other  <input type="checkbox"/> No Recorded Data Available</p> <p>Field Observations:          Depth of Surface Water (in.): <u>2" in places</u>          Depth to Free Standing Water in Pit (in.): <u>0</u>          Depth to Saturated Soil (in.): <u>0</u></p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:  <input checked="" type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated in upper 12 inches  <input checked="" type="checkbox"/> Water Marks  <input type="checkbox"/> Drift lines  <input type="checkbox"/> Sediment Deposits  <input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):  <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input type="checkbox"/> Water-Stained Leaves  <input type="checkbox"/> Local Soil Survey Data  <input type="checkbox"/> FAC-Neutral Test  <input type="checkbox"/> Other (Explain in Remarks)</p>
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10yr 3/2		-	organics
3-20	A	10yr 2/1 2	50/50	-	silty clay
		10yr 4/1 3	mix	-	silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			Is this Sample Station Point Within a Wetland? (Circle) Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD, DO	Date: 5-3-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: upland Transect ID: AR602B Plot ID: 552

**VEGETATION**

Plant Community Covertypes: upland Forest (Deciduous / Conifer mix)  
 Height Tree Canopy: 40-50 ft      Height Shrub Layer: 15-20 ft  
 Percent Cover Tree Canopy: 80%      Percent Cover Shrub Layer: 65%      Herb 50%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	T/S	FAC	9. Canada Lily	H	FAC+
2. Grey Birch	T/S	FAC	10. Meadow Sweet	S	FACW+
3. Black Cherry	T/S	FACU	11. Wood Fern	H	—
4. Balsm Fir	T/S	FAC	12. T. Aspen (Quake)	T	FACU
5. Sheep Laurel	S	FAC	13.		
6. Serviceberry	S	FAC	14.		
7. Wintergreen	H	FACU	15.		
8 Club Moss sp.	H	—	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 70%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <b>Drainage Patterns In Wetlands:</b> <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

AR 6027-SSZ  
ID: Upland

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/1	—	—	Rich Loam
10-14	B	10YR 3/3	—	—	Loamy Sand to Sandy Loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

repaired @ 14"

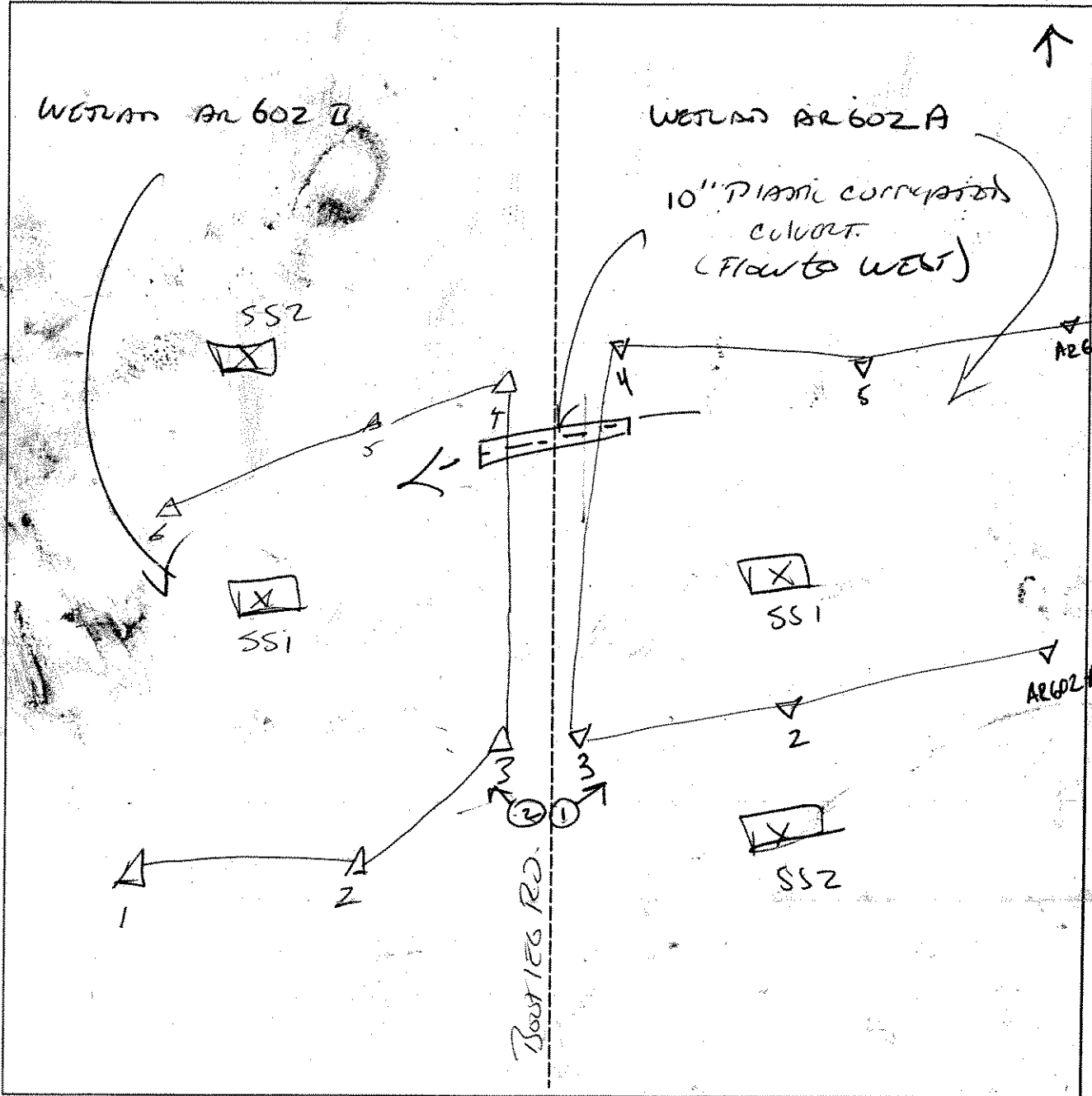
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
Is this Sample Station Point Within a Wetland?				Yes No

Remarks:

SKETCH FORM

Wetland ID/Route #: <u>BOST 106 RD</u>		Date: <u>5/3/06</u>	Time: <u>0930</u>
Initials of Delineators: <u>TRM DO</u>		Location: <u>BOST 106 RD</u>	
Roll #:	Frames:	<u>Photo 1 =&gt; NE AT WETLAND AR 602B</u> <u>11 2 = NW AT WETLAND AR 602B</u>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>JV KH DO RH</u>	Date: <u>5-3-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: <u>wetland</u> Transect ID: Plot ID: <u>AR 603A4551</u>	

**VEGETATION**

Plant Community Covertype: <u>PSS/PP01</u> Height Tree Canopy: <u>40-50 ft</u> Percent Cover Tree Canopy: <u>100%</u>	Height Shrub Layer: <u>10 ft</u> Percent Cover Shrub Layer: <u>15%</u>	<u>Herb</u> <u>100%</u>			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Clubmoss Shining</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Sphagnum moss sp.</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>Picea Red Spruce</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Grey Birch</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>Nannyberry</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Speckled Alder</u>	<u>T</u>	<u>UPL</u>	14.		
7. <u>Tamarac</u>	<u>T</u>	<u>FACW</u>	15.		
8. <u>Meadow Sweet</u>	<u>S</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks:					

**HYDROLOGY**

Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>2-4"</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>KH, JV</u>	Date: <u>5-3-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>AR 603A SS2</u>

**VEGETATION**

Plant Community Covertypes: <u>mowed grass land</u>		Height Tree Canopy: <input checked="" type="checkbox"/>		Height Shrub Layer: <input checked="" type="checkbox"/>		Percent Cover Tree Canopy: <input checked="" type="checkbox"/>		Percent Cover Shrub Layer: <input checked="" type="checkbox"/>		<u>Herb 100%</u>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator						
1. <u>Reed Canary Grass</u>	<u>H</u>	<u>FACW</u>	9.								
2. <u>Great Burdock</u>	<u>H</u>	<u>UPL</u>	10.								
3. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>	11.								
4. <u>Dandelion</u>	<u>H</u>	<u>UPL</u>	12.								
5.			13.								
6.			14.								
7.			15.								
8.			16.								
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>											
Remarks:											

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon wind power LLC</i> Investigator: <i>KH, JV</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>VT</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 603B-551</i>	

**VEGETATION**

Plant Community Covertypes: <i>PSS/PFO1</i>	Height Tree Canopy: <i>3c</i>	Height Shrub Layer: <i>15</i>	Percent Cover Tree Canopy: <i>40</i>	Percent Cover Shrub Layer: <i>60</i>	Herb: <i>100%</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Wormy Berry</i>	<i>S</i>	<i>FAC/FAC</i>	11.		
4. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Red Top Grass</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Speckled Alder</i>	<i>S</i>	<i>LPL</i>	14.		
7. <i>Tamarac</i>	<i>T</i>	<i>FACW</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>85%</i>					
Remarks: <i>old line from 11/05 recollected - near boundary taken</i> <i>- disturbed area from logging</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>1-2 in</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

ID: AA603B-351

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	O				Peat / organic material
5-6	A	10YR-2/1			Silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - Disturbed area from logging - Refusal of Aizer at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No		(Circle)	
Wetlands Hydrology Present?	(Yes) No			
Hydric Soils Present?	(Yes) No			Is this Sample Station Point Within a Wetland? (Yes) No
Remarks: picture # 2 looks N at SS1 #150				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind LLC</i> Investigator: <i>JH, JV</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AH603B-SS2</i>							

**VEGETATION**

Plant Community Covertype: <del>Forest</del> <i>Deciduous/Conifer mix</i> Height Tree Canopy: <i>40-50</i> Height Shrub Layer: <i>20</i> Percent Cover Tree Canopy: <i>30-40%</i> Percent Cover Shrub Layer: <i>25%</i> Herbs <i>90%</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>Balsam Fir</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Balsam Fir</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Blackberry</i>	<i>H</i>	<i>UPL</i>	15.		
8. <i>Low Bush Blueberry</i>	<i>H</i>	<i>FACU-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>73%</i>					
Remarks: <i>Area disturbed from logging</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>5</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Recent rain / present rain - false positive for hydro possible</i>	

**SOILS**

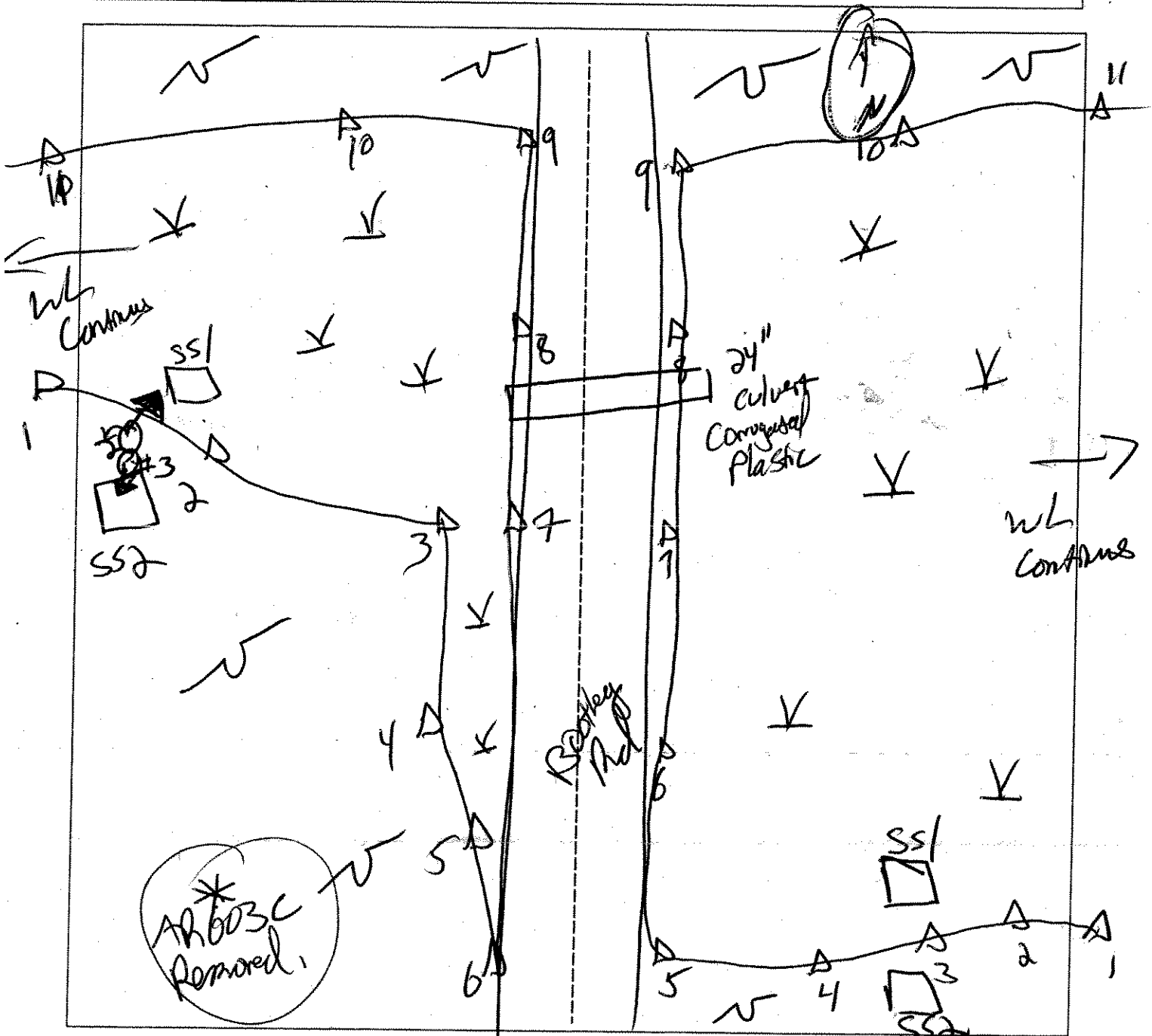
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped.Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O/A	10YR-2/1			Sandy loam
2-4	A	2.5Y-6/2			Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: refusal of Arger at 4 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: picture #3 looks like 552				

SKETCH FORM

Wetland ID/Route #: <u>AR603B/A</u>	Date: <u>5/3/06</u>	Time:
Initials of Delineators: <u>KAH, JV</u>	Location: <u>Bowley Rd</u>	
Roll #: <u>11A</u>	Frames: <u>1+2+3</u>	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

122-A-003 SA

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <b>MARIE RIVER</b> Applicant/Owner: <b>MARDIERUEG LLC</b> Investigator: <b>RAT, DO</b>	Date: <b>5/3/06</b> County: <b>Clinton</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <b>WETLAND</b> Transect ID: <b>FR604A</b> Plot ID: <b>SS1</b>	

**VEGETATION**

Plant Community Covertype: **DEM W/ FRN, E PSS** #BFB-1006  
 Height Tree Canopy: \_\_\_\_\_ Height Shrub Layer: **15'**  
 Percent Cover Tree Canopy: **0** Percent Cover Shrub Layer: **20%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sedge A	H	—	9. J. EFFUSUS	H	FACW+
2. Sedge B	H	—	10. MEADOW SWEET	S	FACW+
3. Sphagnum Moss	H	OBL*	11.		
4. Tussock Sedge	H	OBL	12.		
5. Gray Birch	S	FAC	13.		
6. Red Maple	S S	FAC	14.		
7. Steeple Bush	S	FACW	15.		
8. Spotted Alder	S	FACW+	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **100%**

Remarks:  
  
 \* Not listed; presumed OBL.

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge  <input checked="" type="checkbox"/> Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input checked="" type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated in upper 12 inches  <input checked="" type="checkbox"/> Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil Survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <b>12+ inches</b>          Depth to Free Standing Water in Pit (in.): <b>0</b>          Depth to Saturated Soil (in.): <b>0</b></p>	
<p>Remarks:</p>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10yr 3/4	—	—	organics
4-14	A	10yr 6/2	—	—	sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:  refusal @ 14"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)
Wetlands Hydrology Present?	(Yes) No	
Hydric Soils Present?	(Yes) No	Is this Sample Station Point Within a Wetland? (Yes) No
Remarks		



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>AR604 Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>RSD DO</i>	Date: <i>5-3-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Npland</i> Transect ID: <i>AR604A - 5</i> Plot ID: <i>552</i>

**VEGETATION**

Plant Community Covertype:		Height Tree Canopy:		Height Shrub Layer:	
Percent Cover Tree Canopy:		Percent Cover Shrub Layer:			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Grey Birch	T/S	FAC	9. Low Bush Blue Berry	S	FACU-
2. Red Maple	T/S	FAC	10. Moss	H	-
3. T. Aspen (Quake)	T/S	FACU	11. Lichens	#	-
4. Rainbow Fir	T/S	FAC	12. Club Moss	H	-
5. Service Berry	S	FAC	13. Tree like Club Moss	H	FACU
6. Sheep Lark	S	FAC	14.		
7. Bracken Fern	H	FACU	15.		
8 Wintergreen	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>NA</i> Depth to Saturated Soil (in.): <i>NA</i>	Remarks:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>1</sub> 10 yr 2/1	Sandy loam			
3-6	A <sub>2</sub> 10 yr 6/2	Loamy sand			
6-16	B <sub>1</sub> 10 yr 5/6	Silty clay loam	50/50		
	B <sub>2</sub> 10 yr 6/3	Loamy sand			
16-18	B <sub>3</sub> 7.5 yr 4/4	clay loam			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	(No)	(Circle)
Wetlands Hydrology Present?	Yes	(No)	(Circle)
Hydric Soils Present?	Yes	(No)	(Circle)
Is this Sample Station Point Within a Wetland?		Yes	(No)
Remarks			

1 22-84088A  
 . ANA . . .

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <b>Marble River</b> Applicant/Owner: <b>MARBLE RIVER, LLC</b> Investigator: <b>RJD DO</b>	Date: <b>5-3-06</b> County: <b>Clinton</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>Wetland</b> Transect ID: <b>AR604B</b> Plot ID: <b>SS1</b>

**VEGETATION**

Plant Community Covertype: **PBS/PEM**  
 Height Tree Canopy: **0** Height Shrub Layer: **15-25 Ft**  
 Percent Cover Tree Canopy: **0** Percent Cover Shrub Layer: **80%** Herb: **100%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	S	FAC	9.		
2. Grey Birch	S	FAC	10.		
3. Tamarac	S	FACW	11.		
4. Meadow Sweet	S	FACW+	12.		
5. Reed Canary Grass	H	FACW	13.		
6. Club Moss	H		14.		
7. Sphagnum Moss	H	OBL*	15.		
8. Speckled Alder	S	FACW+	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **100%**

Remarks:  
 \* Sphagnum not listed, presumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <b>6 in places</b> Depth to Free Standing Water in Pit (in.): <b>0</b> Depth to Saturated Soil (in.): <b>0</b>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	O	10YR 3/4			organic silty clay
8-12	A	10YR 2/1			

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

- Thick PEAT Layer up to 12" over Rock  
 Hard to get soil  
 - Reason of Area at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	Is this Sample Station Point Within a Wetland?
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: **MARBLE RIVER**  
 Applicant/Owner: **MARBLE RIVER, LLC**  
 Investigator: **RD, DO**

Date: **5/3/06**  
 County: **Clinton**  
 State: **NY**

Do Normal Circumstances exist on the site?  Yes  No  
 Is the site significantly disturbed (Atypical Situation)?  Yes  No  
 Is the area a potential Problem Area?  Yes  No  
 (If needed, explain on reverse.)

Community ID: **UPCAnj**  
 Transect ID: **AR604D**  
 Plot ID: **55-2**

**VEGETATION**

Plant Community Covertype: **Upland Forest (Decid Conifer mix)**  
 Height Tree Canopy: **50-60'** Height Shrub Layer: **25'**  
 Percent Cover Tree Canopy: **75%** Percent Cover Shrub Layer: **60%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>GRAY BIRCH</b>	<b>T/S</b>	<b>FAC</b>	9. <b>SHARP LAUREL</b>	<b>S</b>	<b>FAC</b>
2. <b>RED MAPLE</b>	<b>T/S</b>	<b>FAC</b>	10. <b>TREE-LIKE Clethra</b>	<b>H</b>	<b>FACU</b>
3. <b>B. FIR</b>	<b>T/S</b>	<b>FAC</b>	11.		
4. <b>T. ASPEN</b>	<b>T</b>	<b>FACU</b>	12.		
5. <b>S. REDWOOD</b>	<b>S</b>	<b>FAC</b>	13.		
6. <b>BRAKER FERN</b>	<b>H</b>	<b>FACU</b>	14.		
7. <b>WINTER GREEN</b>	<b>H</b>	<b>FACU</b>	15.		
8. <b>CLUB MOSS</b>	<b>H</b>	<b>-</b>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **50%**

Remarks:

**HYDROLOGY**

Recorded Data (Describe in Remarks):  
 Stream, Lake, or Tide Gauge  
 Aerial Photographs  
 Other  
 No Recorded Data Available

Wetland Hydrology Indicators:  
 Primary Indicators:  
 Inundated  
 Saturated in upper 12 inches  
 Water Marks  
 Drift lines  
 Sediment Deposits  
 Drainage Patterns in Wetlands  
 Secondary Indicators (2 or more required):  
 Oxidized Root Channels in Upper 12 inches  
 Water-Stained Leaves  
 Local Soil Survey Data  
 FAC-Neutral Test  
 Other (Explain in Remarks)

Field Observations:  
 Depth of Surface Water (in.): **N/A**  
 Depth to Free Standing Water in Pit (in.): **N/A**  
 Depth to Saturated Soil (in.): **N/A**

Remarks:

ID: Upland

**SOILS**

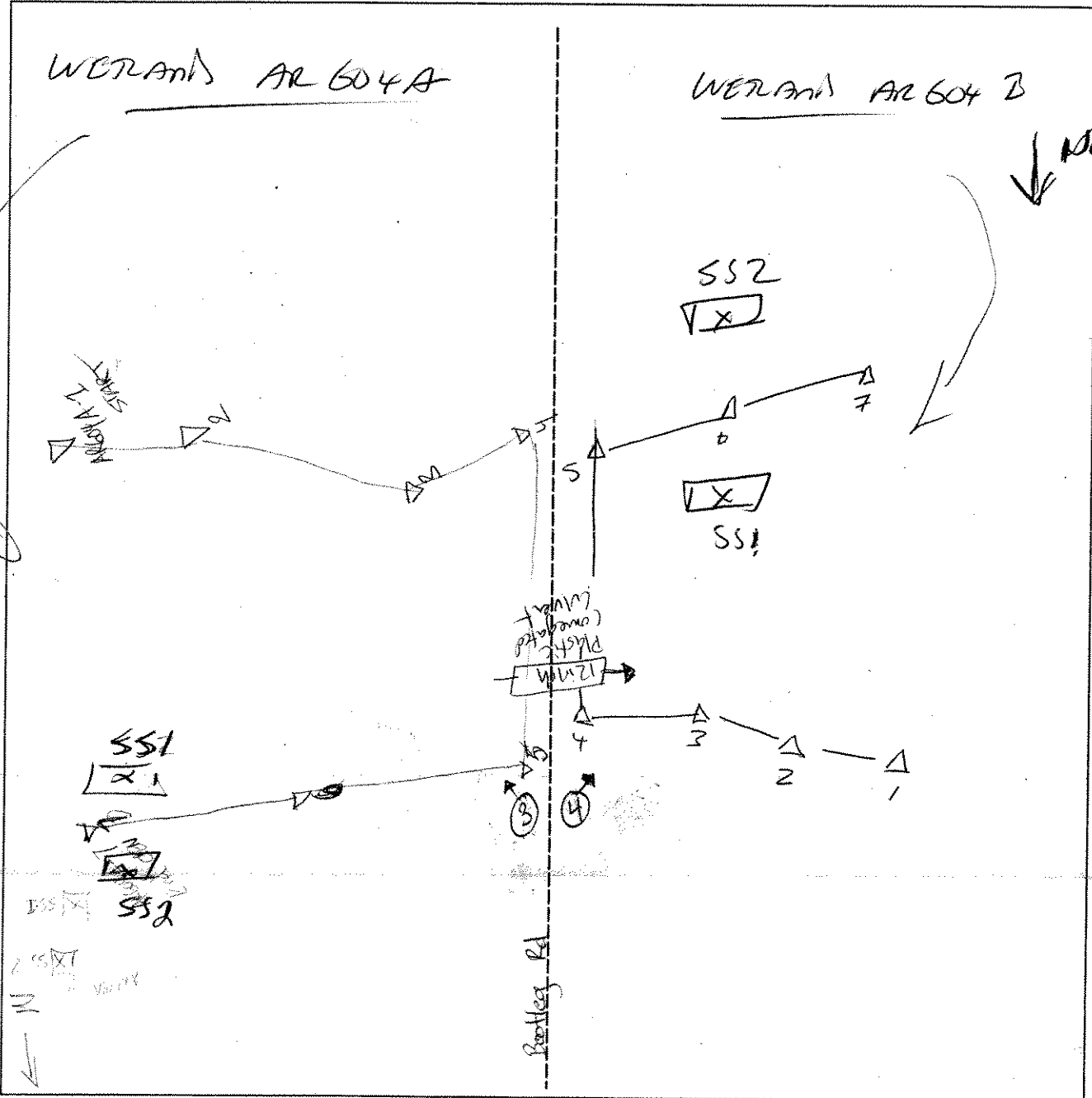
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A/G	7.5 yr 3/3			Organics
4-12	A	10 yr 6/2	10 yr 4/1	Common fine distinct	sandy loam
12-16	B <sub>1</sub>	10 yr 3/3			silt loam
16-18	B <sub>2</sub>	10 yr 4/6			silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	(Circle)
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	(Circle)
Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No			
Remarks:			

**SKETCH FORM**

Wetland ID/Route #: <u>Rootley Rd.</u>	Date: <u>5-3-6</u>	Time: <u>1130</u>
Initials of Delineators: <u>RSD, DO</u>	Location: <u>Marble River Clinton County, NY</u>	
Roll #: _____	Frames: <u>3: facing Southeast at ARG04A</u>	<u>4: facing Southwest at ARG04B</u>



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Muske River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KA, JV</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AMB05A-ss1</i> <i>6 5B</i>

**VEGETATION**

Plant Community Covertypes: <i>PSS / PFD 4</i>	Height Tree Canopy: <i>20</i>	Height Shrub Layer: <i>15 ft</i>	Herb <i>20</i>		
Percent Cover Tree Canopy: <i>10%</i>	Percent Cover Shrub Layer: <i>60%</i>				
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Red Spruce</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Star Magnolia</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Sleep Laurel</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Grass sp</i>	<i>A</i>	<i>—</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>3-4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	



ID:

AR 625A-SS1

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class: 60SB

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	O/A	10YR-2/1			Organic Matter
5-12	A <sub>1</sub>	7.5Y-6/2			Sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Grey color soil beneath the O/A layers

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes No

Remarks: photo # 6 - south @ SS1

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind LLC</u> Investigator: <u>KH, JV</u>	Date: <u>5/3/86</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>MB05A-552</u> <u>WDSB</u>

**VEGETATION**

Plant Community Covertype: <u>Deciduous/Conifer mix</u>					
Height Tree Canopy: <u>50ft</u>		Height Shrub Layer: <u>10ft</u>			
Percent Cover Tree Canopy: <u>50%</u>		Percent Cover Shrub Layer: <u>100%</u>		100% <u>30%</u>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Big Tooth Aspen</u>	<u>T</u>	<u>FACU-</u>	9.		
2. <u>Red Spruce</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Mountain Berry</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Blackberry</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Sleep Laurel</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Low Bush Strawberry</u>	<u>H</u>	<u>FACU-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	Remarks: <u>recent rainfall saturated soil</u>

ID: **AR605A-SS2**

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class: <b>605B</b>			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
<b>0-10</b>	<b>A</b>	<b>7.5YR-4/6</b>			<b>Sandy loam 3mm</b>
<b>10-12</b>	<b>E</b>	<b>2.5Y-6/2</b>			

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

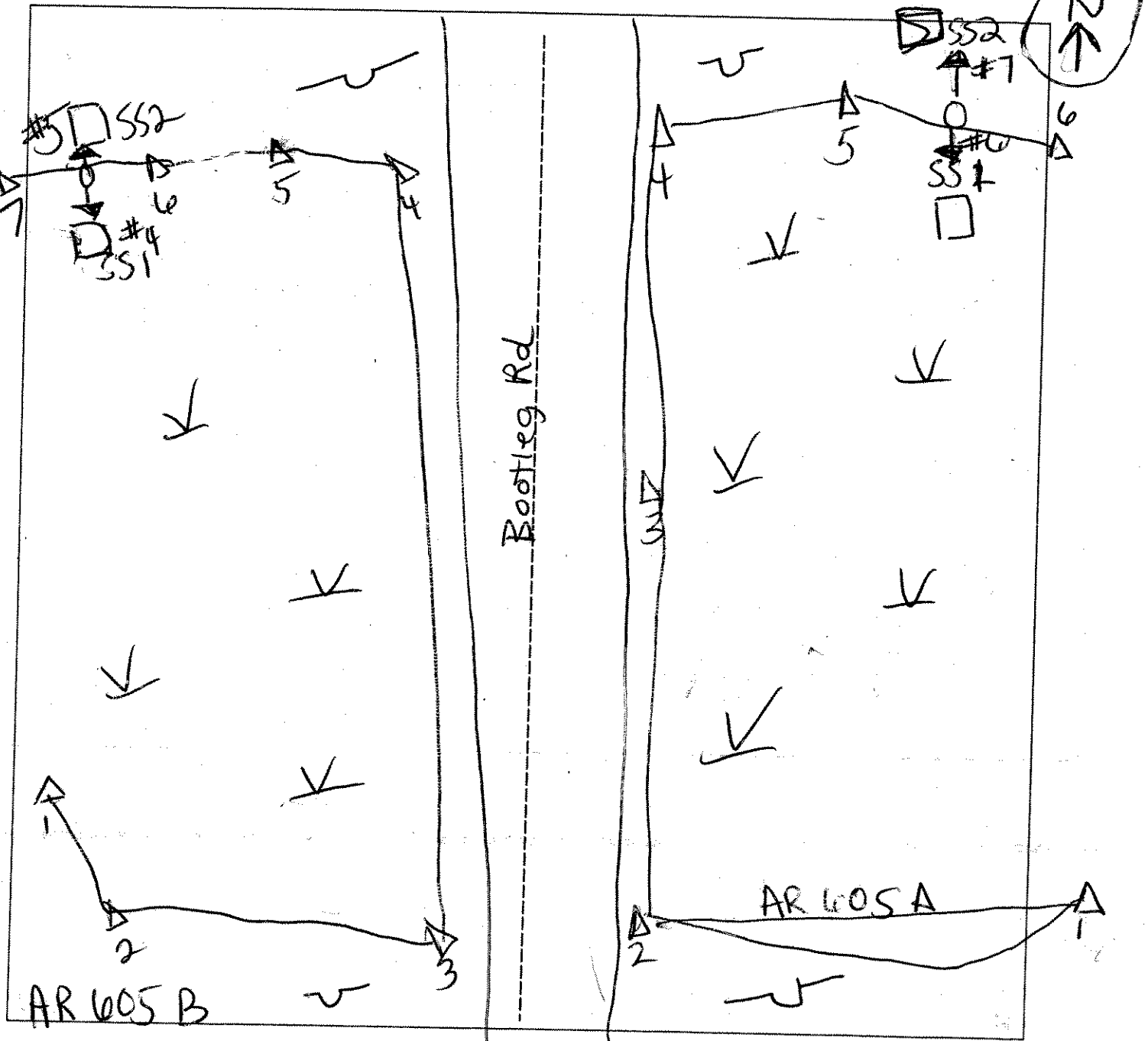
Remarks: **refusal at 12 inches**

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: <b>picture # 7 looks N at SS2</b>			

SKETCH FORM

Wetland ID/Route #: AR 605 A/B		Date: 5/3/06	Time:
Initials of Delineators: KH JK		Location: Bootleg Rd	
Roll #: RH	Frames: 4, 5, 6, 7		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

AR605A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: AR608A SSI Transect ID: AR607A Plot ID/PS: AR605A			

**VEGETATION**

Plant Community Classification: Red maple mesic / PSS					
Percent Canopy Cover: Tree: 30 Shrub: 75 Herb: 55 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>Betula papyrifera</i>	S	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>Carex sp.</i>	H		12.		
5. <i>Sphagnum moss 20%</i>	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: <i>Abies balsamea</i> < 5%. cannot I.D. due to season					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): < 1" in spots Depth to Free Standing Water in Pit (in.): 6" Depth to Saturated Soil (in.): 1"	
Remarks:	

Date: 10 May 07  
 Community ID: Wetland 33  
 Plot ID: AR600A  
 AR601A  
 AR602A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: **AR601A**  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations: \_\_\_\_\_  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/2			
1-3	A <sub>1</sub>	10YR 2/1			silt loam
3-5	A <sub>2</sub>	10YR 5/2			sandy loam
5-12	B	10YR 5/2	10YR 5/8	prom., common, md	sandy clay loam

- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks: organic streaking in C, saturation @ 1", water in pit @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks: Photo 3 = SW DECW  
 Photo 4 = NE  
 Area has been logged

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JN AP</i>	Date: <i>5/10/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: <i>LPL</i> Transect ID: Plot ID: <i>AR 602A S22</i>							

**VEGETATION**

Plant Community Classification: <i>early successional</i>					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>65</i> Herb: <i>70</i> Vine: <i>0</i>					
<i>AR 607A EXT</i> <i>AR 605A</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Viburnum lentago</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Galium angustifolium</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Opalthread</i>	<i>H</i>	<i>FACU-</i>	13.		
6. <i>Bracken fern</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>low bush blueberry</i>	<i>H</i>	<i>FACU-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 10 May 07  
 Community ID: Upland SS2  
 Plot ID: AR608 A  
 AR607 A  
 AR607 A

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class: AR607 A  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	5YR 2.5/2			
1-12	A	10YR 2/1			silt loam
12-14	B	10YR 5/3			sandy clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: A horizon very organic

**WETLAND DETERMINATION**

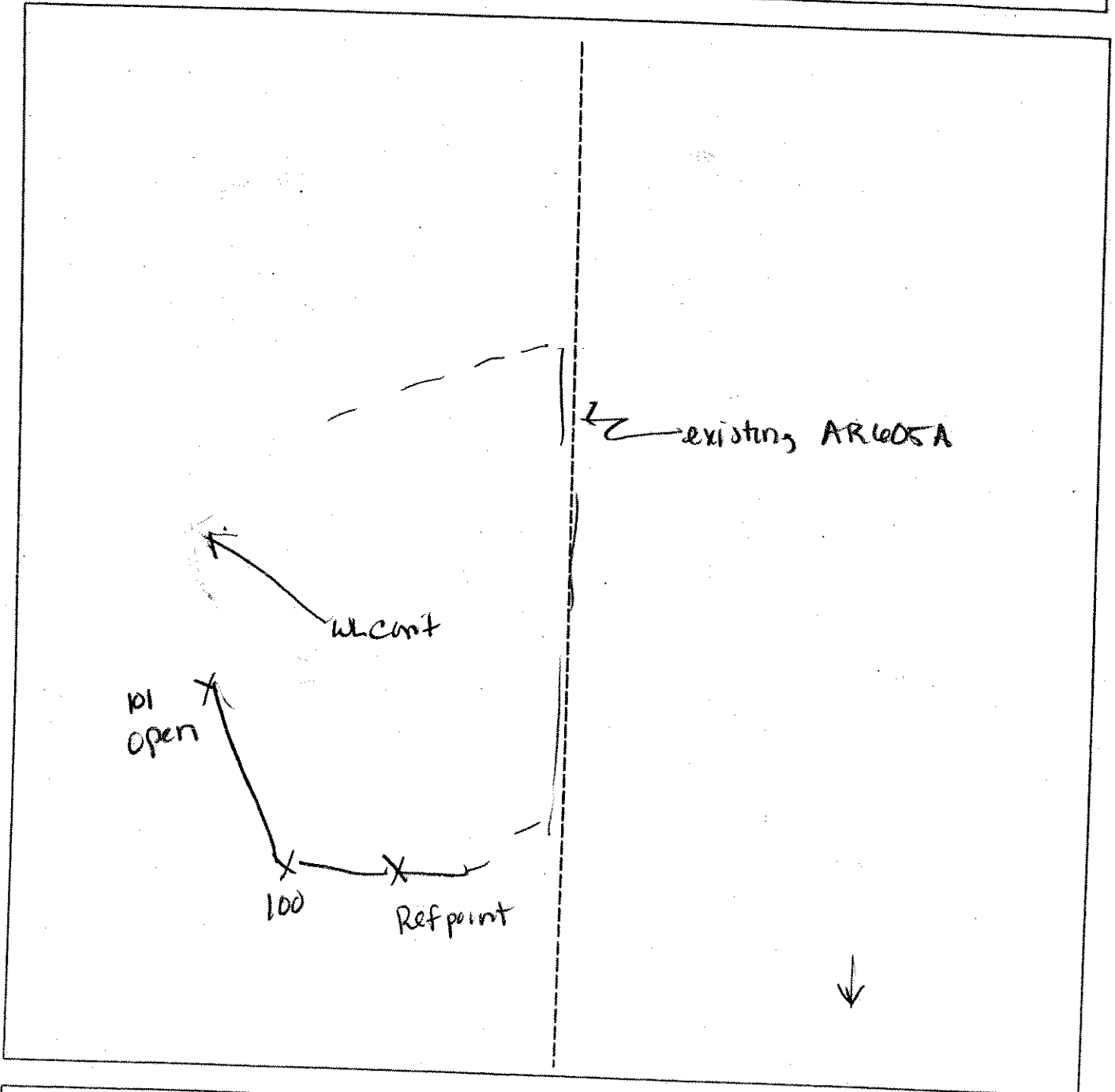
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks



SKETCH FORM

Wetland ID/Route #: <b>ARL05A EXT</b>	Date: <b>5/10/07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location: <b>IC/AR along log road</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <del>██████████</del> <u>Marble Rnc LLC</u> Applicant/Owner: <del>██████████</del> <u>Marble River, LLC</u> Investigator: <u>RJD DO</u>	Date: <u>5-03-06</u> County: <del>St. Lawrence</del> <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR606A</u> Plot ID: <u>SS 1</u>

**VEGETATION** PFO Deciduous Conifer Mix

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>45%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Balsm Fir</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Grey Birch</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Nonoberg</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Sphagnum Moss</u>	<u>H</u>	<u>OBL*</u>	13.		
6. <u>Sheep Laurel</u>	<u>S</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

\*Sphagnum not listed; presumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>6 inches in Places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-03-6  
 Community ID: AR606A  
 Plot ID: 551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10 yr 4/4	—	—	organics
4-8	A	10 yr 2/2	—	—	silt loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

refusal @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: 1 <u>S Marble River</u> Applicant/Owner: <u>N. J. ... by MARBIE RIVER, LLC</u> Investigator: <u>RJD DO</u>	Date: <u>5-03-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: <u>ARGOG A</u> Plot ID: <u>SS 2</u>

**VEGETATION** Upland Forest Deciduous Coniferous Mix

Plant Community Classification: _____					
Percent Canopy Cover:		Tree: <u>75%</u> Shrub: <u>30%</u> Herb: <u>60%</u> Vine: <u>0%</u>			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Tootted Aspen	T	FACU-			9.
2. Balsm Fir	T/S	FAC			10.
3. Grey Birch	T/S	FAC			11.
4. Red Maple	T	FAC			12.
5. <del>White Birch</del>	S	FAC			13.
6. Winter green	H	FACU			14.
7. Bracken Fir	H	FACU			15.
8. Club Moss	H	FACU			16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

Date: 5/3/06  
 Community ID: ARG06A SS2  
 Plot ID: SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	
0-2	A	10yr 3/2	—	—	Silt loam w/ organics
2-12	B	10yr 5/4	—	—	Clay loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

refusal @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>MARBLE RIVER, LLC</i> Investigator: <i>RSD DO</i>	Date: <i>5-3-06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>PSS / PEM</i> Transect ID: <i>AR606B</i> Plot ID: <i>SS1</i>							

**VEGETATION**

*PSS / PEM - (SHALLOW SPHAGNUM)*

Plant Community Covertype: Height Tree Canopy: Percent Cover Tree Canopy:	<i>Ø</i>	Height Shrub Layer: <i>10'</i> Percent Cover Shrub Layer: <i>50%</i>	Herbaceous: <i>100%</i>		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	9.		
2. <i>Spaced Alder</i>	<i>S</i>	<i>FACW+</i>	10.		
3. <i>NANA BERRY</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Sphagnum moss</i>	<i>H</i>	<i>OBL*</i>	12.		
5. <i>Canada Rush</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Club Moss</i>	<i>H</i>	<i>—</i>	14.		
7. <i>Grass sp.</i>	<i>H</i>	<i>—</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks:  
  
*\* Not listed; presumed OBL*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>6 inches in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	

Remarks:



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>MADIE RIVER</i>	Date: <i>5-3-06</i>
Applicant/Owner: <i>MADIE RIVER, LLC</i>	County: <i>Clinton</i>
Investigator: <i>TED DO</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span>	Community ID: <i>Upland Forest Deciduous</i> Transect ID: <i>AR606B</i> Plot ID: <i>SS2</i>
Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span>	
Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	

**VEGETATION** *UPLAND FOREST (Deciduous)*

Plant Community Covertypes:	Height Tree Canopy: <i>40-50</i>	Height Shrub Layer: <i>20'</i>	<i>HERB. 75%</i>		
Percent Cover Tree Canopy: <i>65%</i>	Percent Cover Shrub Layer: <i>45%</i>				
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	T/S	FAC	9.		
2. Grey Birch	T/S	FAC	10.		
3. Toothed Aspen	T	FACU-	11.		
4. Sheep Laurel	S	FAC	12.		
5. Balsm Fir	S	FAC	13.		
6. Wintergreen	H	FACU	14.		
7. Club Moss	H	—	15.		
8. Bracken Fern	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>NA</i> Depth to Saturated Soil (in.): <i>NA</i>	
Remarks:	



ID: AR606B-SS2  
 UPLAND

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>1</sub>	10yr 2/1	-	-	Silt loam w/ organics
2-8	A <sub>2</sub>	10yr 6/2	-	-	sandy loam
8-16	B	5yr 4/6	-	-	sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

refused @ 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)	Is this Sample Station Point Within a Wetland?	Yes	No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input type="radio"/>					
Hydric Soils Present?	Yes	No <input type="radio"/>					

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <del>xxxx</del> MARBLE RIVER	Date: 5/3/06
Applicant/Owner: MARBLERIA, LLC	County: Clinton
Investigator: TETA, DU	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLAND Transect ID: AR2606TS Plot ID: SS-3
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

PSS / PEN 80%

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: 20% Shrub: 60% Herb: 80% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. KALSOX TR	T/S	FAC	9.		
2. Gray Birch	S	FAC	10.		
3. <del>DOGWOOD</del>	S		11.		
4. C.B. BLUEBERRY	S	FACU-	12.		
5. S. LAUREL	S	FAC	13.		
6. SPHAL. MUSH	H	OBL	14.		
7. NANA BERRY	S	FAC	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80%

Remarks:  
 X Assume OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 6" in places Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 5/3/06  
 Community ID: WOTRAN  
 Plot ID: AR606B-SSZ

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6"	A	10YR2/1			Silt loam w/organics

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Reverse of Auger as 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RSD DO</u>	Date: <u>5-03-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR60GB</u> Plot ID: <u>554</u>

**VEGETATION**

Plant Community Covertypes: <u>UPLAND FOREST (Decid + Conifer mix) - logged</u> Height Tree Canopy: <u>40'</u> Height Shrub Layer: <u>20'</u> Percent Cover Tree Canopy: <u>50%</u> Percent Cover Shrub Layer: <u>30%</u> <u>Herb: 75%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Balsam Fir	T/S	FAC	9.		
2. Red Maple	T/S	FAC	10.		
3. Grey Birch	T/S	FAC	11.		
4. NANA BERRY	S	FAC	12.		
5. Sheep Loral	S	FAC	13.		
6. Club Moss	H	—	14.		
7. Bracken Fern	H	FACU	15.		
8. Wintergreen	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>70%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

upland  
ID: AR606B 554

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1	—	—	Silt loam w/ organic
2-12	B	7.5Y 4/6	—	—	clay loam w/ gravel
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal of Auger @ 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RSD DO</u>	Date: <u>5-03-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR606C</u> Plot ID: <u>SS1</u>

**VEGETATION**

Plant Community Covertypes: <u>PSS / PEM</u> Height Tree Canopy: <u>0</u> Percent Cover Tree Canopy: <u>0</u>						Height Shrub Layer: <u>15 ft.</u> Percent Cover Shrub Layer: <u>75%</u> Herbaceous: <u>80%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator						
1. Grey Birch	S	FAC	9. Club Moss	H	-						
2. Speckled Alder	S	FACW+	10. Carex - sp.	H	-						
3. Balsm Fir	S	FAC	11. <u>NANA TERRIT</u>	S	FAC						
4. Red Maple	S	FAC	12.								
5. Sheep Laurel	S	FAC	13.								
6. Tamarack	S	FACW	14.								
7. Meadow Sweet	S	FACW+	15.								
8 Sphaagnum Moss	H	-	16.								
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>											
Remarks:											

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>10 inches in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

WETLAND

ID: AR606C  
SS 1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
0-4	O	7.5 yr 3/4	—	—	organic
4-10	A	10 yr 5/2	—	—	Sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: Refusal of Auger @ 10 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	Is this Sample Station Point Within a Wetland?	(Circle)	Yes	No
Wetlands Hydrology Present?	Yes	No			(Circle)	Yes	No
Hydric Soils Present?	Yes	No			(Circle)	Yes	No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>BA, DO</u>	Date: <u>5/3/06</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Community ID: <u>UPLAND</u> Transect ID: <u>AL606C</u> Plot ID: <u>552</u>							

**VEGETATION** UPLAND Forested Conifer/Decid. mix

Plant Community Covertype:			Height Tree Canopy: <u>40-50'</u>	Height Shrub Layer: <u>up to 15'</u>	Herb: <u>55%</u>
Percent Cover Tree Canopy: <u>70%</u>			Percent Cover Shrub Layer: <u>40%</u>		

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Toothed Aspen	T	FACU-	9. White Birch	H	FACU
2. Balsam Fir	T/S/H	FAC	10. Club Moss	H	—
3. Grey Birch	T/S	FAC	11. Moss Sp.	H	—
4. Red Maple	S	FAC	12.		
5. Service Berry	S	FAC	13.		
6. Low Bush Blue Berry	S	FACU-	14.		
7. Sheep Laurel	S	FAC	15.		
8. Bracken Fern	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 45.1.

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <b>Drainage Patterns in Wetlands</b> <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	



ID: ARG06C-552  
upland

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>1</sub>	10yr 2/1	-	-	Silt Loam w/ clay
2-8	A <sub>2</sub>	10yr 6/2	-	-	Sandy Loam
8-10	B	7.5yr 4/6	-	-	Clay Loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \* Removal of Auger AT 10"

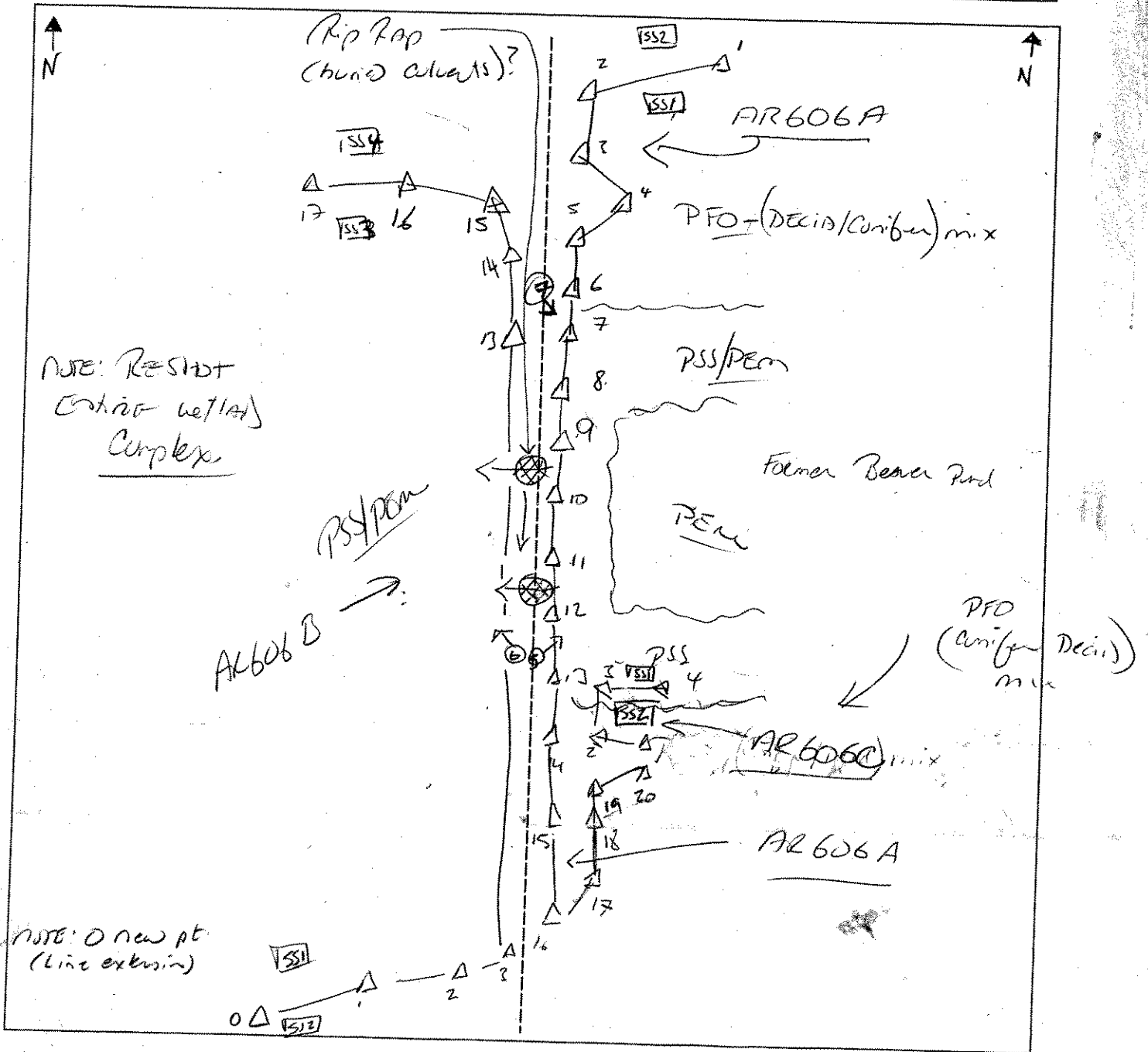
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No (Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	Is this Sample Station Point Within a Wetland? Yes (No)

Remarks

SKETCH FORM

Wetland ID/Route #: <u>Bostony RD</u>		Date: <u>5/3/02</u>	Time: <u>1700</u>
Initials of Delineators: <u>RSD DO</u>		Location: <u>AR606 A/B/C</u>	
Roll #:	Frames: <u>photo 5 → NE of AR606A</u> <u>photo 6 → NW of AR606B</u>	<u>photo 7 → SE of AR606A</u>	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

1700 - spise w kucie talca

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-3-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>AR 607A SSI</u>

**VEGETATION**

Plant Community Classification: <u>PSS / PFO4</u>					
Percent Canopy Cover:      Tree: <u>20%</u> Shrub: <u>85%</u> Herb: <u>70%</u> Vine: <u>-</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Speckled Alder</u>	<u>S</u>	<u>FACW+</u>	11.		
4. <u>Alder Rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Nanny Berry</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Schagmin</u>	<u>H</u>	<u>OBL*</u>	14.		
7. <u>Nanny Berry</u>	<u>H</u>	<u>FAC</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>85%</u>					
Remarks: <u>- Logged area, highly disturbed / transitional</u>					
<u>*NOT listed; Assume OBL</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <u>X</u> Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <u>X</u> Inundated <u>X</u> Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>1</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

AR 607A - SS

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O/A	10YR-2/1			organic, Mucky Peat
1-6	E	10YR-5/2			sand
6-12	E <sub>1</sub>	2.5Y-6/2	7.5YR-5/6	Many/coarse/fine	clay sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

- Defusal Auger at 12 inches  
 - Iron sticks on water

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)
Wetlands Hydrology Present?	(Yes) No	
Hydric Soils Present?	(Yes) No	Is this Sample Station Point Within a Wetland? (Yes) No

Remarks

picture # 10 looks E at SS1

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>JSW</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR607A-SSA</i>

**VEGETATION**

Plant Community Classification: <i>Logged Forest - deciduous / Conifer mix</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>5</i> Herb: <i>70</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acas Rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Club Moss sp.</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Low Bush Sphery</i>	<i>H</i>	<i>FACU</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>60%</i>					
Remarks: <i>recently logged area</i> <i>highly disturbed transitional area</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>relates rainfall saturated soil</i>	

ID: AR 607A-882

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			humic organic material
1-6	A	7.5YR-4/4			Sandy loam
6-10	E	2.5Y-6/2			Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
		Is this an Isolated Wetland?	Yes <input type="radio"/> No
Remarks - pit #11 looks N ESS2			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

AR607A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: AR600A SSI Transect ID: AR607A Plot: 100/PSS AR605A							

**VEGETATION**

Plant Community Classification: <i>Red maple mesic / PSS</i>					
Percent Canopy Cover: Tree: 30 Shrub: 75 Herb: 55 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula papyrifera</i>	S	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>Carex sp</i>	H		12.		
5. <i>Sphagnum moss 25%</i>	F	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: <i>Abies balsamea &lt; 5%          cannot i.d. due to season</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>&lt; 1" in spots</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>1"</i>	
Remarks:	



Date: 10 May 07  
 Community ID: wetland 88  
 Plot ID: AR1002A  
 AR1007A

**SOILS**

Map Unit Name (Series and Phase):  
 Drainage Class: AR1007A  
 Taxonomy (SubGroup):  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/2			
1-3	A <sub>1</sub>	10YR 2/1			slit loam
3-5	A <sub>2</sub>	10YR 5/2			sandy loam
5-12	B <sub>1</sub>	10YR 5/2	10YR 5/8	prom., common, md	sandy clay loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: organic streaking in C, saturation @ 1", water in pit @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks: Photo 3 = SW DEC 02  
 Photo 4 = NE  
 Area has been logged

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IN AP</i>	Date: <i>5/10/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>LPL</i> Transect ID: Plot ID: <i>AR 608A S52</i>

*AR 607A*  
*AR 605A*

**VEGETATION**

Plant Community Classification: <i>early successional</i>					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>65</i> Herb: <i>70</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Viburnum lentago</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Kalmia angustifolia</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Goldenrod</i>	<i>H</i>	<i>FACU-</i>	13.		
6. <i>Blackberry</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>Low bush blueberry</i>	<i>H</i>	<i>FACU-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 10 May 07  
 Community ID: Upland 982  
 Plot ID: AR608 A  
 AR607 A  
 AR607 A

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class: AR607 A  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	5YR 2.5/2			
1-12	A	10YR 2/1			silt loam
12-14	B	10YR 5/3			sandy clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: A horizon very organic

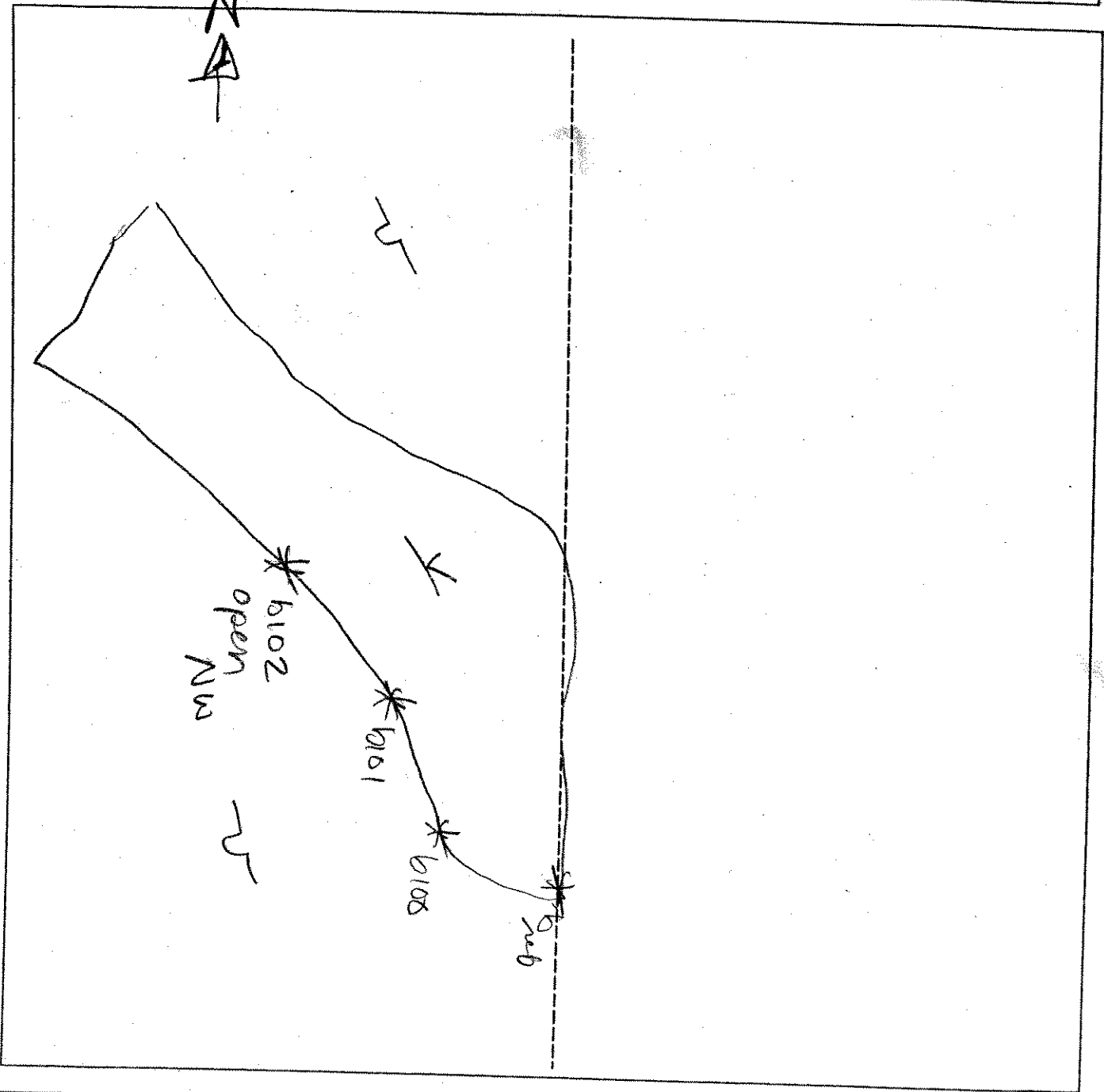
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR607 A EXT</b>		Date: <b>5/9/07</b>	Time:
Initials of Delineators: <b>JV AP</b>		Location: <b>IC along log road</b>	
Roll #:	Frames: <b>3 = NW</b>		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Mobile River</i> Applicant/Owner: <i>Horizon wood LLC</i> Investigator: <i>ISA, JV</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table> Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 6071B-SS1</i>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						

**VEGETATION**

Plant Community Classification: <i>PSS/PEM/PPC4</i>					
Percent Canopy Cover: Tree: <i>10%</i> Shrub: <i>50%</i> Herb: <i>90</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Falsalm Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>low Bush Blueberry</i>	<i>H</i>	<i>FACW-</i>	12.		
5. <i>Club Moss</i>	<i>H</i>	<i>—</i>	13.		
6. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	14.		
7. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	15.		
8. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks: <i>recently logged - soils disturbed</i> <i>- not many plants alive other than herb layer</i>  <i>* Not listed; presume OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>picture # 8 looks N at SS1</i>	

**SOILS**

AR607B-SS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	O/A	10YR 2/1			Mud-10cm
5-6	E	2.5Y 5/2			Sand layer
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal of layer 6 inches - 2 chromas w/ no mottles, but there is sulfidic odor					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Marble Haven</i> Applicant/Owner: <i>Horizon wood LLC</i> Investigator: <i>KM TV</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AA 607B-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>15</i> Herb: <i>90</i> Vine: <i>—</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Spruce</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Grey Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Spiny Broomrape</i>	<i>S</i>	<i>URL</i>	12.		
5. <i>Sleep Hound</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Brodiaea Fern</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>Low bush blueberry</i>	<i>H</i>	<i>FACU-</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>42%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>—</i>  Depth to Free Standing Water in Pit (in.): <i>—</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Recent rainfall saturates soil</i>	

**SOILS**

AR 607B-SS2

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	—	—	Silt with organic matter
1-6	A	7.5YR 5/4	—	—	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal 6"  
Auger

**WETLAND DETERMINATION**

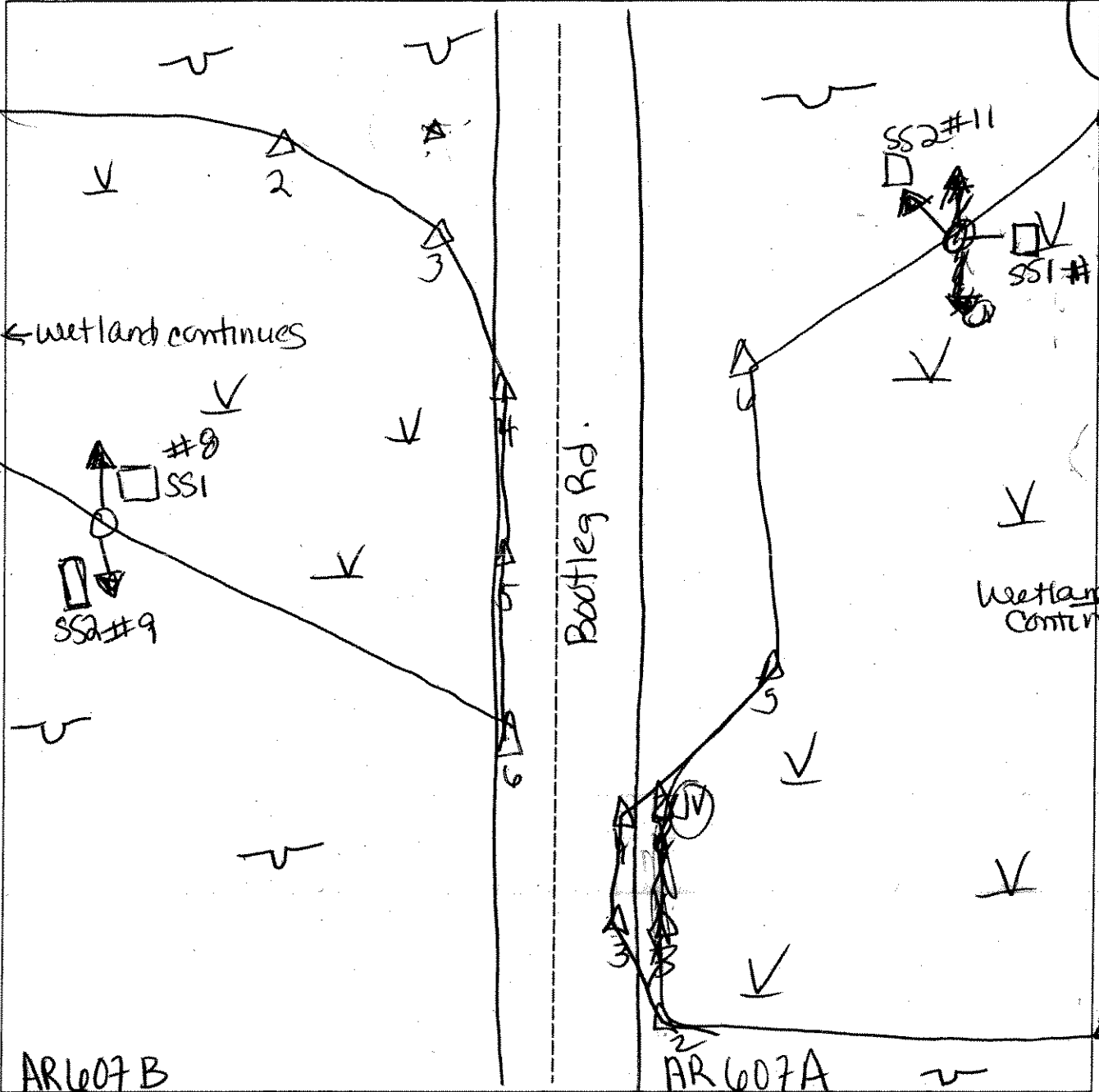
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks  
Photo #9 Looking South



SKETCH FORM

Wetland ID/Route #: <b>AR 607 A/B</b>	Date: <b>5-3-06</b>	Time:
Initials of Delineators: <b>KH JV</b>	Location: <b>Bootleg Rd</b>	
Roll #: <b>8, 9, 10, 11</b>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon woodומר LLC</i> Investigator: <i>16H, JV</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> Is the area a potential Problem Area? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 608A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PFO1/PEM</i>					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>60</i> Herb: <i>90</i> Vine: <i>—</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alder Hickory</i>	<i>T</i>	<i>FAC</i>	9. <del><i>...</i></del>		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Balsam Fir</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Club moss sp</i>	<i>H</i>	<i>—</i>	13.		
6. <i>Cinnamon Fern</i>	<i>H</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Ground disturbed from past logging activities</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>1</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

**SOILS**

AR 608A - SSI

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			Plant / Muck
1-7	A	10YR-4/1			Sandy silt
<del>7-12</del>	<del>A<sub>1</sub></del>				

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of Auger at 7 inches.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No			
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No			

Remarks: pit # 12 100/55 N at SSI

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Morble Thiner</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH, JV</i>	Date: <i>5/3/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AA608A-552</i>

**VEGETATION**

Plant Community Classification: *Deciduous Forest*  
Percent Canopy Cover: Tree: *20* Shrub: *40* Herb: *70* Vine: *-*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>1</i>	<i>FAC</i>	9.		
2. <i>Cory Birch</i>	<i>1</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>3</i>	<i>FAC</i>	11.		
4. <i>Nanny Berry</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Bracken Fern</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Low Bush Blueberry</i>	<i>H</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *66%*

Remarks: *- Area disturbed by past logging  
- transitional area*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>near rainfall saturated soil</i>	

AR 608A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			humicky organics
1-3	A	7.5YR-4/1			clay loam
3-6	A <sub>1</sub>	7.5YR-3/3			5YR loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal at 6 inches

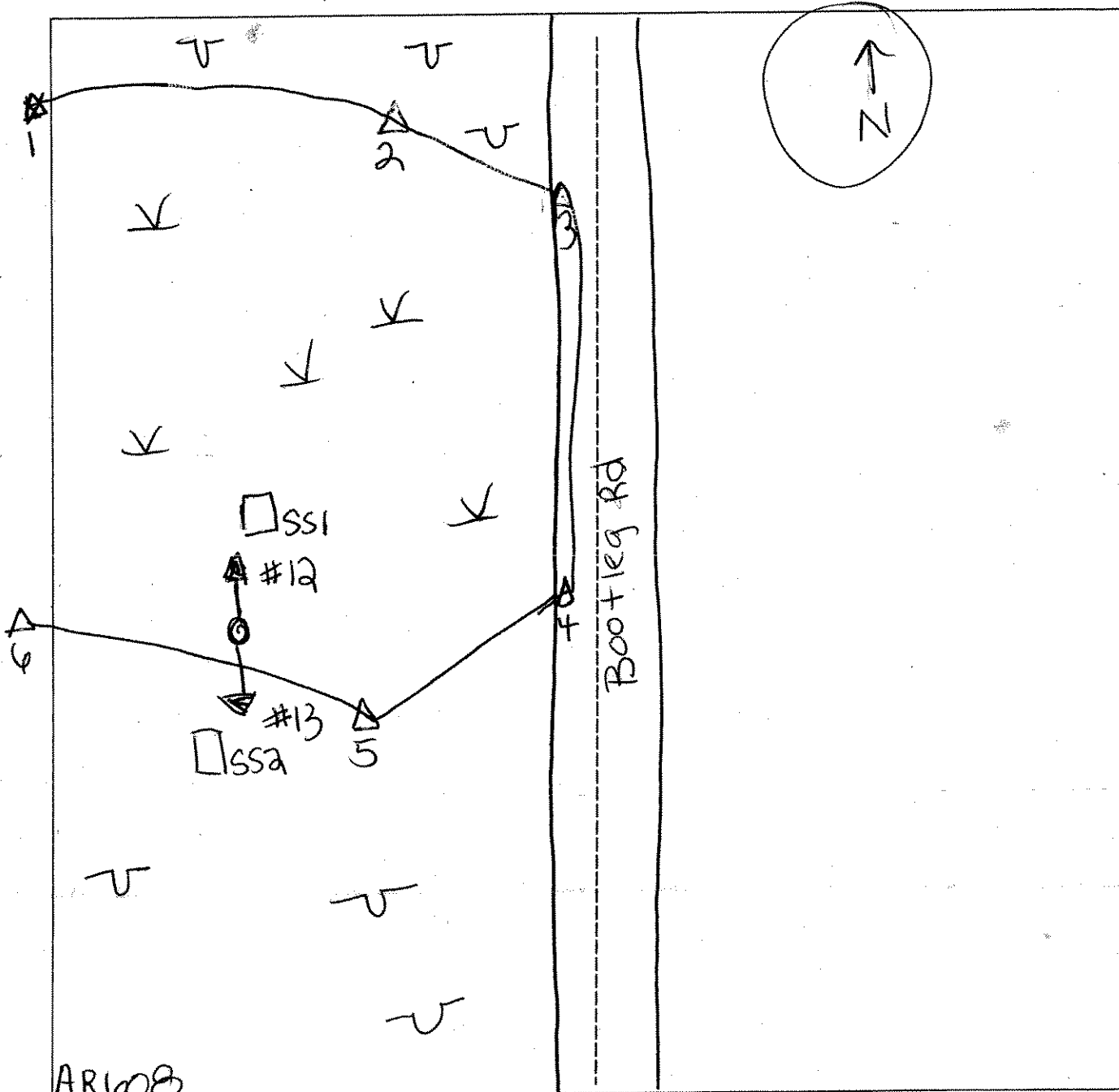
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)	Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland?		Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks: pit #13 looks s at SS2

SKETCH FORM

Wetland ID/Route #: <b>AR 608</b>	Date: <b>5-3-06</b>	Time:
Initials of Delineators: <b>KHI JV</b>	Location: <b>Bootleg Rd.</b>	
Roll #: <b>12, 13</b>	Frames:	



AR 608

Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

AR608A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: AR608A SS1 Transect ID: AR607A Plot ID/PSS: AR605A			

**VEGETATION**

Plant Community Classification: <i>Red maple forest / PSS</i>					
Percent Canopy Cover: Tree: 30 Shrub: 75 Herb: 55 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula papyrifera</i>	S	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>Carex sp</i>	H		12.		
5. <i>Sphagnum moss 25%</i>	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: <i>Abies balsamea &lt; 5%          cannot i.d due to season</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>&lt; 1" in spots</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>1"</i>	
Remarks:	

Date: 10 May 07  
 Community ID: wetland SS  
 Plot ID: AR608A  
 AR607A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: **AR607A**  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/2			
1-3	A <sub>1</sub>	10YR 2/1			silt loam
3-5	A <sub>2</sub>	10YR 5/2			sandy loam
5-12	B	10YR 5/2	10YR 5/8	prom., common, md.	sandy clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: organic streaking on C, saturation @ 1", water in pit @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks: Photo 3 = SW DEC WL  
 Photo 4 = NE  
 Area has been logged



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IV AP</i>	Date: <i>5/10/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>L1PL</i> Transect ID: Plot ID: <i>AR 608A SS2</i>

*AR 607A  
AR 605A*

**VEGETATION**

Plant Community Classification: <i>early successional</i>					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>65</i> Herb: <i>70</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Viburnum lentago</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Kalmia angustifolia</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Opithon</i>	<i>H</i>	<i>FACU-</i>	13.		
6. <i>Bracken fern</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>low bush blueberry</i>	<i>H</i>	<i>FACU-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>45%.</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: *10 May 07*  
 Community ID: *Upland SS2*  
 Plot ID: *AR608 A*  
*AR607 A*

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: *AR607 A*  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
<i>0-1</i>	<i>O</i>	<i>5YR 2.5/2</i>			
<i>1-12</i>	<i>A</i>	<i>10YR 2/1</i>			<i>silt loam</i>
<i>12-14</i>	<i>B</i>	<i>10YR 5/3</i>			<i>sandy clay loam</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *A horizon very organic*

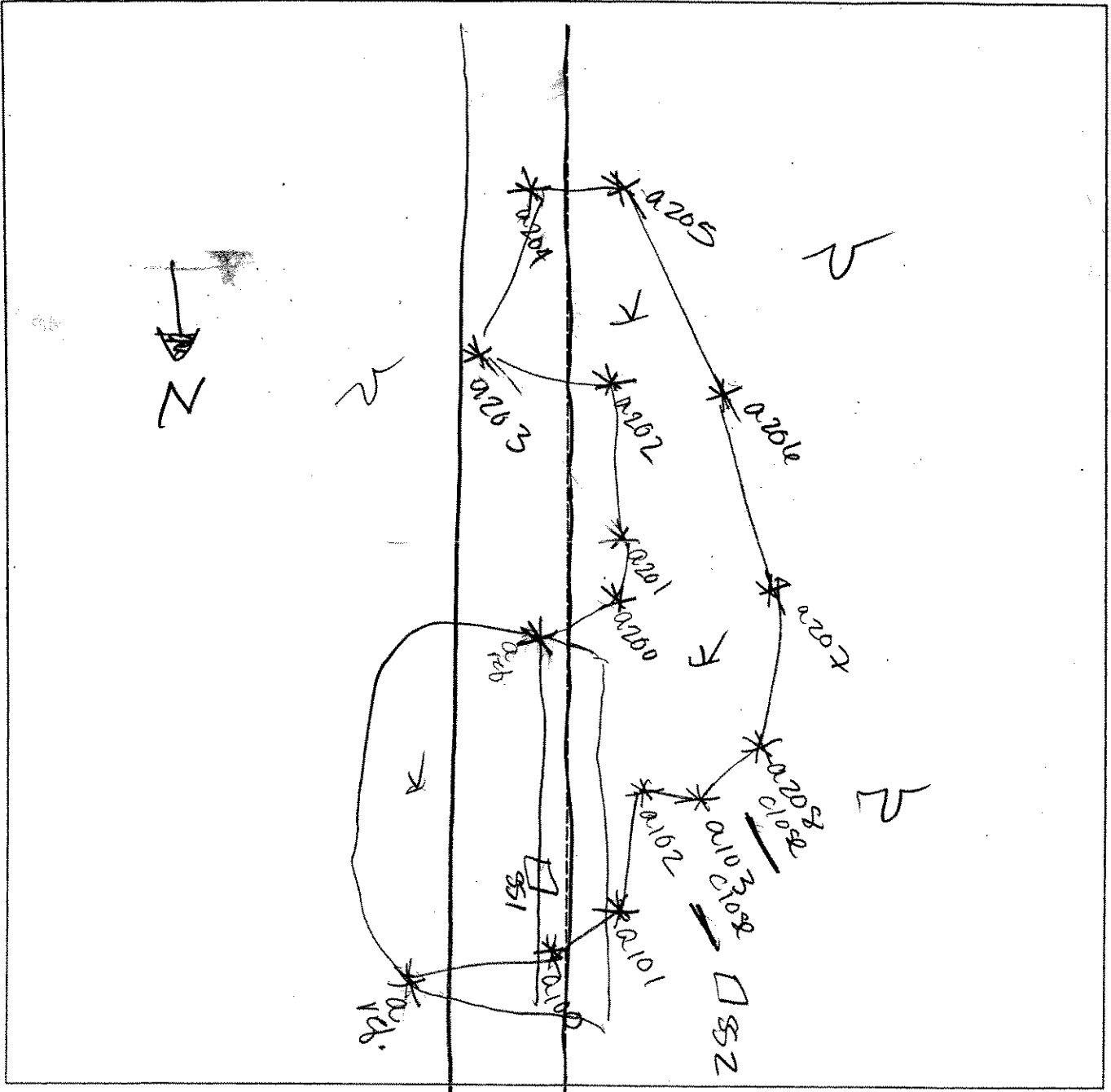
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR1008</b> EXTENSION	Date: <b>10 May 07</b>	Time:
Initials of Delineators: <b>JV: APO</b>	Location: <b>IL/AR along logging road</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KA, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>M609A-551</i>

**VEGETATION**

Plant Community Classification: <i>PSS/PP04</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>90</i> Herb: <i>90</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>			
2. <i>Acacia</i>	<i>T</i>	<i>FAC</i>			
3. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>			
4. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>			
5. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>			
6. <i>Nanny Berry</i>	<i>H</i>	<i>FAC</i>			
7.					
8.					
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:  <i>* Not listed, Assume OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>NA</i>  Depth to Free Standing Water in Pit (in.): <i>3</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon and Aoner LLC</i> Investigator: <i>ISA, TV</i>	Date: <i>5/4/06</i> County: <i>Chatham</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR609A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>Conifer deciduous mix forest</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>25</i> Herb: <i>10</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsalm Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Balsalm Fir</i>	<i>IT</i>	<i>FAC</i>	12.		
5. <i>Nanny Berry</i>	<i>IT</i>	<i>FAC</i>	13.		
6. <i>low bush blueberry</i>	<i>IT</i>	<i>FACU</i>	14.		
7. <i>Bracken Fern</i>	<i>IT</i>	<i>FACU</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>transitional area, evidence of past logging</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>/</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

**SOILS**

AR609A-SS2

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			organic material
1-6	A	7.5YR-4/2			Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  <p style="text-align: center;">refusal of auger at 6 inches</p>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KA, JV</i>	Date: <i>5/1/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR629B-SSJ</i>

**VEGETATION**

Plant Community Classification: <i>PFO4/PSS</i> Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>75</i> Herb: <i>20</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Spruce</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Hairy Berry</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Wet Sphagnum</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Sloops Laurel</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Northern Sweet</i>	<i>S</i>	<i>FAC+</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>2</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	



**SOILS**

AR609B-SS1

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1			Peat/organics/leaves/roots
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks		
pit # 2 looks S from upland		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Land LLC</i> Investigator: <i>KIA, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR604B-552</i>

**VEGETATION**

Plant Community Classification: *Comita/deciduous mix forest*

Percent Canopy Cover: Tree: *25* Shrub: *20* Herb: *50* Vine: *—*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Spruce</i>	<i>T</i>	<i>FACU</i>			
2. <i>Acer thibetum</i>	<i>T</i>	<i>FAC</i>			
3. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>			
4. <i>Wormy Berry</i>	<i>S</i>	<i>FAC</i>			
5. <i>Wormy Berry</i>	<i>H</i>	<i>FAC</i>			
6. <i>Low Bush Blueberry</i>	<i>H</i>	<i>FACU-</i>			
7. <i>Wintersgreen</i>	<i>H</i>	<i>FACU</i>			
8. <i>Black Tern</i>	<i>H</i>	<i>FACU</i>			

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: *recently logged / disturbed area*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

**SOILS**

ID: *AR609 B-SSQ*

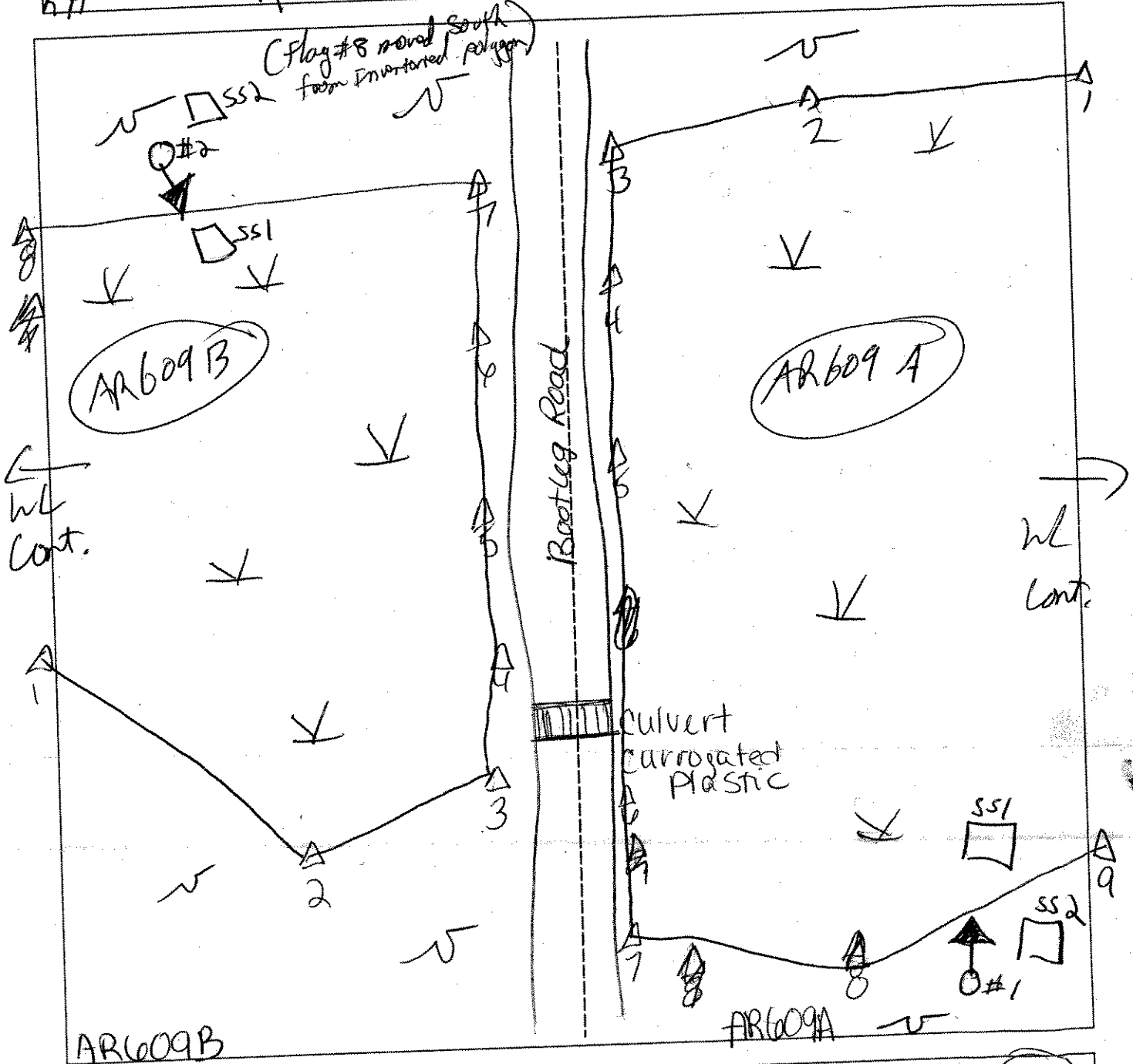
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
<i>0-1</i>	<i>O</i>	<i>10YR-2/1</i>			
<i>1-6</i>	<i>A</i>	<i>7.5YR-5/8</i>			<i>organic material sand loam</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>refusal of auger at 6 inches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Wetlands Hydrology Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
			(Circle)
			(Circle)
			Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland? Yes <input type="radio"/> No
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AR 609 A/B</b>	Date: <b>5/14/06</b>	Time:
Initials of Delineators: <b>KH, JV</b>	Location: <b>Boatleg Rd</b>	
Roll #: <b>6H</b>	Frames: <b>1, 2</b>	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR609AB extension

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AB</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PSS</u> Transect ID: Plot ID: <u>AR 609 AB 551</u> <u>AR 611 AB</u>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 0 Shrub: 80 Herb: 20 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Sparganium angustifolium</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Sagittaria</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Rud. Mann Cornus</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Thuja rugosa</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>Sphagnum</u> <u>&gt;50%</u>	<u>H</u>	<u>OBL</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:  <input checked="" type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>2 + "</u>          Depth to Free Standing Water in Pit (in.): <u>0 "</u>          Depth to Saturated Soil (in.): <u>0 "</u></p>	
<p>Remarks:</p>	

Date: 5/9/07  
 Community ID: PSS  
 Plot ID: (09AB 85)

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	D	7.5 YR 2.5/1			
1-3	A	10 YR 2/1			
3-12	B	10 YR 6/1	10 YR 5/3	faint, sparse, common	silt loam sandy clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks DEC WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>VV</u>	Date: <u>9 May 07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland 552</u> Transect ID: <u>AR610AB</u> Plot ID: <u>AR609AB</u>

**VEGETATION**

Plant Community Classification: <u>Early successional</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>30</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Populus grandifolia</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Solidago latifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&gt;50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: Upland  
 Plot ID: AR610 AB 552  
 AR609AB

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			
4-15	A	7.5YR 4/6			
15-18	B	10YR 4/6	2.5YR 2.5/3	pyom., sparse, few	silty clay / oam clay / oam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: organic streaking in A-B. unable to determine ORCs, present due to soil color

**WETLAND DETERMINATION**

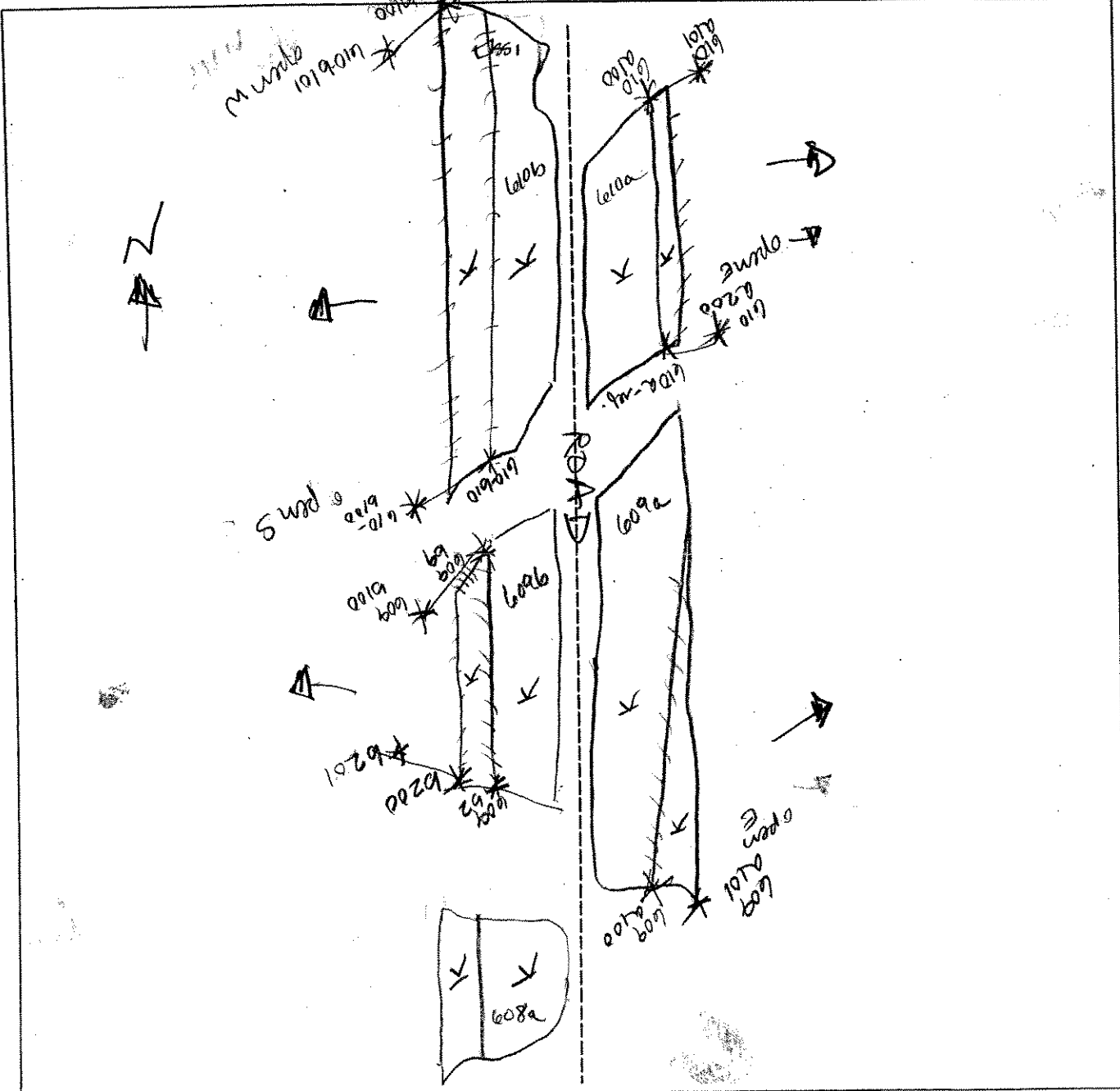
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input type="radio"/> Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks



SKETCH FORM

Wetland ID/Route #: <i>600a, 600b, 609a, 609b, 608a</i>	EXTENSION	Date: <i>9 May 07</i>	Time:
Initials of Delineators: <i>JV AP</i>		Location:	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

20-10-2  
A0122A  
122

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MAIZE RIVER</u> Applicant/Owner: <u>MALDIC RIVER, LLC</u> Investigator: <u>RAJ DO</u>	Date: <u>5/4/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WERM1</u> Transect ID: <u>ARB10A</u> Plot ID: <u>SSI</u>

**VEGETATION**

PSS/PEM

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>40%</u>	Shrub: <u>60%</u>	Herb: <u>75%</u>	Vine: <u>X</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T1S</u>	<u>FAC</u>	9.		
2. <u>B. Fir</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>RAVEN-BERRY</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>	12.		
5. <u>MEADOW SWEET</u>	<u>S</u>	<u>FAC+</u>	13.		
6. <u>SHEEP LAUREL</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>WINTER GREEN</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>SPHAG NUM</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>45%</u> <del>75%</del>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	Remarks:

Date: 5-04-06  
 Community ID: AR610A  
 Plot ID: ~~552~~ 551

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (Sub Group):

Drainage Class:  
 Field Observations:  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			Organics
2-8	A	10YR 4/1			silty clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal at 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	
Remarks		

20-10-2  
A0129A  
SS2

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>LSD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>ARG10A</u> Plot ID: <u>SS2</u>

VEGETATION Recently logged Upland Decid Forest

Plant Community Classification:  
Percent Canopy Cover: Tree: 45% Shrub: 50% Herb: 50% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T1S</u>	<u>FAC</u>	9. <u>Sp. 10.</u>		
2. <u>Gray Birch</u>	<u>T1S</u>	<u>FAC</u>			
3. <u>Northern Red Oak</u>	<u>S</u>	<u>FAC</u>			
4. <u>Sheep Laurel</u>	<u>S</u>	<u>FAC</u>			
5. <u>Wintergreen</u>	<u>H</u>	<u>FACW</u>			
6. <u>Club moss</u>	<u>H</u>	<u>-</u>			
7. <u>moss sp.</u>	<u>H</u>	<u>-</u>			
8					

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80-1

Remarks:

HYDROLOGY

<p>Recorded Data (Describe in Remarks):  <input type="checkbox"/> Stream, Lake, or Tide Gauge  <input checked="" type="checkbox"/> Aerial Photographs  <input type="checkbox"/> Other  <input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated  <input type="checkbox"/> Water Marks  <input type="checkbox"/> Drift lines  <input type="checkbox"/> Sediment Deposits  <input type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input type="checkbox"/> Water-Stained Leaves  <input type="checkbox"/> Local Soil survey Data  <input type="checkbox"/> FAC-Neutral Test  <input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>N/A</u>          Depth to Free Standing Water in Pit (in.): <u>N/A</u>          Depth to Saturated Soil (in.): <u>6"</u></p>	
<p>Remarks: <u>Heavy Rain past 2 Days.</u></p>	

Date: 5-04-06  
 Community ID: A2610A  
 Plot ID: 552

SOILS 20-00-2

Map Unit Name: *not used*  
 (Series and Phase): *Y4*  
 Taxonomy (Subgroup): *552*

Drainage Class: *Normal*  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	5 yr 4/6			Silt Loam
6-8	B	10 yr 6/2			Sandy clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of Auger @ 8 inches

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks: *2.90 S 1000 0100 1000*

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RJD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR610B</u> Plot ID: <u>SSI</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM</u>					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grey Birch</u>	<u>S</u>	<u>FAC</u>	9. <u>Canada Rush</u>	<u>H</u>	<u>OBL</u>
2. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	10.		
3. <u>Silky Willow</u>	<u>S</u>	<u>OBL</u>	11.		
4. <u>Carex Sp.</u>	<u>H</u>	<u>—</u>	12.		
5. <u>Carex lurida</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Sphagnum Moss</u>	<u>H</u>	<u>OBL*</u>	14.		
7. <u>Sheep Loret</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>J. Effusus</u>	<u>H</u>	<u>FACW+</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>160%</u>					
Remarks: <u>* Not listed; presumed OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>8 inches in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-04-06  
 Community ID: ARG10B  
 Plot ID: SS1

Wetland

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	O	5Yr 3/4	—	—	Organics
10-16	A	10Yr 2/1	—	—	Silt loam w/ organics

Hydro Soil Indicators

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Refusal at 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RSD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>ARG10B</u> Plot ID: <u>SS2</u>

**VEGETATION** Upland Forest Deciduous w/ scattered conifers

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>80%</u> Herb: <u>80%</u> Vine: <u>0%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Grey Birch	T/S	FAC	9.		
2. Red Maple	T/S	FAC	10.		
3. Balsm Fir	T	FAC	11.		
4. Toothed Aspen	T	FACU	12.		
5. Nana Berry	S	FAC	13.		
6. Sheep Lofel	S	FAC	14.		
7. Club Moss	H	—	15.		
8 Bracken Fern	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>2 inches</u>	

Remarks: Heavy rain for last (2) days 5/2/06 - 5/3/06



Date: 5-04-06  
 Community ID: ARG10B  
 Plot ID: SS2  
 upland

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10yr 2/1	—	—	Organics
2-18	A	10yr 5/6	—	—	Silt Loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD DO	Date: 5-01-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> (If needed, explain on reverse.)	Community ID: Wetland Transect ID: AR610B Plot ID: 553

**VEGETATION** PSS / PEM

Plant Community Classification:					
Percent Canopy Cover:		Tree: 0	Shrub: 60%	Herb: 45%	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Meadow Sweet	S	FACW+	9.		
2. Red Maple	S	FAC	10.		
3. Sphagnum MOSS	H	OBL	11.		
4. Reed Canary GRASS	H	FACW+	12.		
5. Nana Berry	S	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: * Not listed; presumed OBL					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): ~10 inches in places Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 5-04-06  
 Community ID: AR610B  
 Plot ID: SS3

**SOILS**

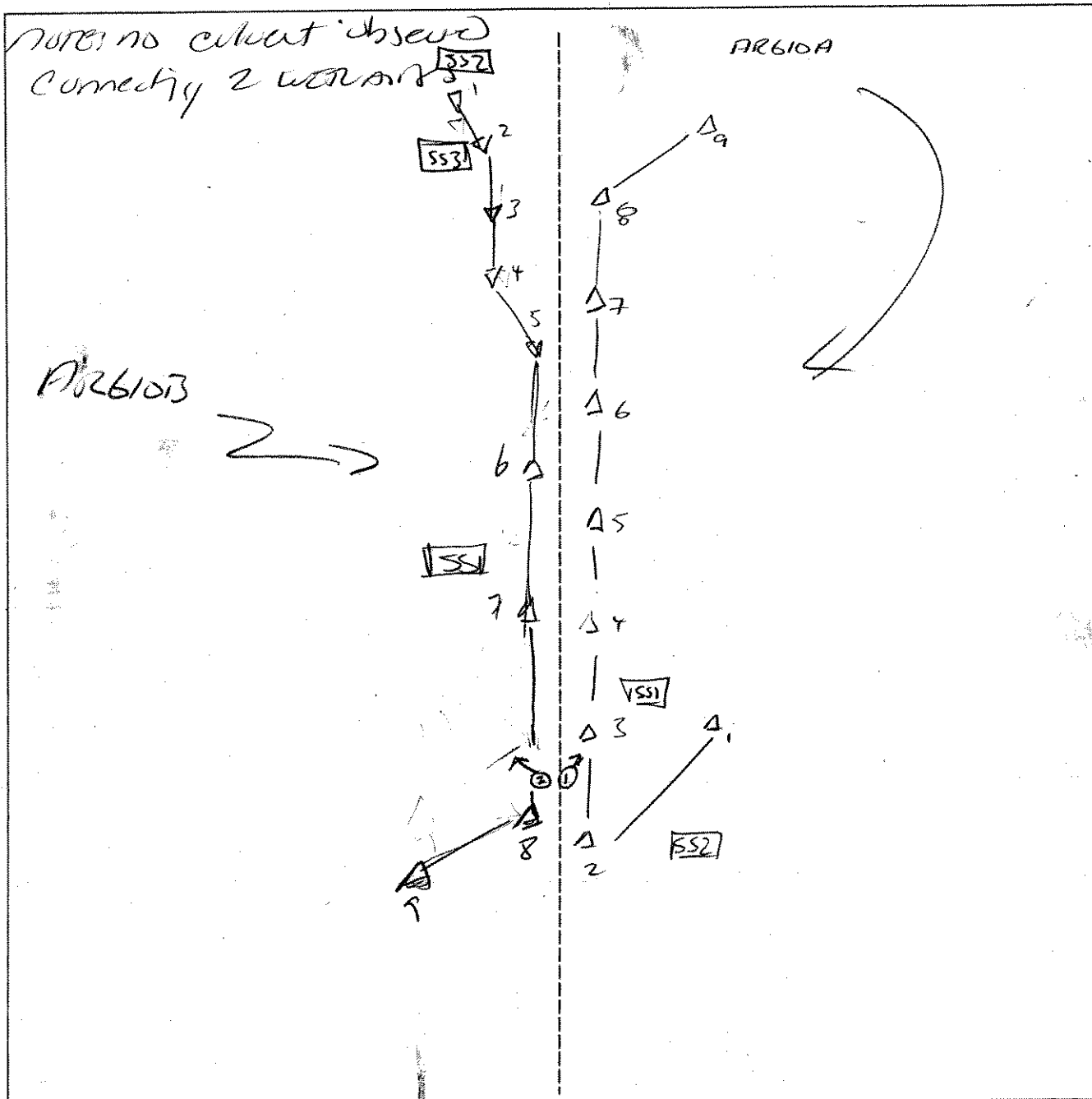
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/1	—	—	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Refusal at 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks Depressional Roadside Area SSI more Representative of Wetlands		

SKETCH FORM

Wetland ID/Route #: <i>BOONER RD.</i>	Date: <i>5/4/06</i>	Time: <i>0900</i>
Initials of Delineators: <i>TRD DO</i>	Location: <i>AR610</i>	
Roll #:	Frames: <i>photo 1 → NE @ AR610A</i> <i>photo 2 → NW @ AR610B</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR610 AB EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JU	Date: 9 May 07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland SSI Transect ID: Plot ID: AR610 AB PFO1

**VEGETATION**

Plant Community Classification: PFO1, PSS Percent Canopy Cover: Tree: 25-50 Shrub: 30-80 Herb: 30-55 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. PFO1			9.		
2. Red maple	T	FAC	10.		
3. <del>Butterfly</del> <i>Cornus</i>	T	FAC	11.		
4. <i>Spirea latifolia</i>	S	FAC	12.		
5. <i>Juniperus</i>			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated PSS <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 2" + PSS Depth to Free Standing Water in Pit (in.): NA Depth to Saturated Soil (in.): 1"	
Remarks:	

Date: 5/19/07  
 Community ID: Wetland  
 Plot ID: AR 60 AB SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR 2.5/1			
1-3	A	10YR 2/1			silt loam
3-12	B	10YR 6/1	10YR 5/3	faint, sparse, common	sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: saturated @ 1". no H <sub>2</sub> O in pit					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: DEC W			
609A-8 = SE		609B-10 = SE	
B 9 = SE		609A-11 = SE	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>VV</u>	Date: <u>9 May 07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland SS2</u> Transect ID: <u>AR610AB</u> Plot ID: <u>AR609AB</u>

**VEGETATION**

Plant Community Classification: <u>Early successional</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>30</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Nerubrum</u>	<u>T</u>	<u>FAC</u>			
2. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>			
3. <u>Populus grandifolia</u>	<u>T</u>	<u>FACU</u>			
4. <u>Spiraea latifolia</u>	<u>S</u>	<u>FAC</u>			
5. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>			
6.					
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: Upland  
 Plot ID: AR610 AB F552  
 AR609AB

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			
4-15	A	7.5YR 4/6			
15-18	B	10YR 4/6	2.5YR 2.5/3	pyom., sparse, few	silty clay loam clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: organic streaking in A-B. unable to determine ORCs. present due to soil color

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon wood zones LLC</i> Investigator: <i>KA, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR611A-551</i>

**VEGETATION**

Plant Community Classification: <del>PFO4</del> / <i>PFO4/PEM</i> Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>5</i> Herb: <i>95</i> Vine: <i>—</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsalm Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Alder</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Balsalm Fir</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Nanny Berry</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Club moss sp.</i>	<i>H</i>	<del>FAC</del>	13.		
6. <i>Canada May Flower</i>	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): Remarks: <i>*logged area, very little trees remain in what was a forested wetland.</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5/4/06  
 Community ID: wetland  
 Plot ID: AR611A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR-2/1			Mottles w/ inclusions of peat
5-6	E	2.5Y-5/1	7.5YR-4/6	Common/med./distinct	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: pix #3 loess E at SS1

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Markle River</i> Applicant/Owner: <i>Horizon and Pomer LLC</i> Investigator: <i>1/18, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td>No</td> </tr> </table>	Yes	<input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes	No	<input checked="" type="radio"/> Yes	No
Yes	<input checked="" type="radio"/> No						
<input checked="" type="radio"/> Yes	No						
<input checked="" type="radio"/> Yes	No						
Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR 611A-552</i>							

**VEGETATION**

Plant Community Classification: *Coniferous stand*  
Percent Canopy Cover: Tree: *40* Shrub:  Herb:  Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Canada mayflower</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>Unidentified</i>	<i>H</i>	<i>—</i>	11.		
4. <i>Unidentified tree</i>	<i>T</i>	<i>—</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: ~~*Wetland pit has no plants growing in it.*~~ *Point taken on the rubble pile*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>10</i>	
Remarks: <i>recent rain fall may cause the saturation</i>	

Date: 5/4/06  
 Community ID: upland  
 Plot ID: AR 611A -SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O/A	7.5YR-4/2			Sandy clay loam
2-12	A <sub>1</sub>	7.5YR-4/6			Sandy silt loam
2-18	A <sub>2</sub>	2.5Y-5/3			sand clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: upland plot taken on rubble/dirt pile from construction of roadway near wetland plot.		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH, JV</i>	Date: <i>5/1/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 611A/C 553</i>

**VEGETATION**

Plant Community Classification: <i>PSS/PFO1</i>					
Percent Canopy Cover:		Tree: <i>20</i>	Shrub: <i>85</i>	Herb: <i>80</i>	Vine: <i>—</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Alder puberula</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Mummy Berry</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Meadow Sweet</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	14.		
7. <i>Canada Mayflower</i>	<i>H</i>	<i>FAC</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%.</i>					
Remarks:					
<i>* Not listed; Assume OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5/11/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 011 A/C - 554</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous/Balsam Fir Mix</u> Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>30</u> Herb: <u>15</u> Vine: <u>-</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Nannyberry</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Nannyberry</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Low Bush blueberry</u>	<u>H</u>	<u>FACU-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>6</u>	
Remarks: <u>Repeat rainfall may be saturating soil</u>	



Date: 5-4-06  
 Community ID: upland  
 Plot ID:  
 AR 611 A/C S54

**SOILS**

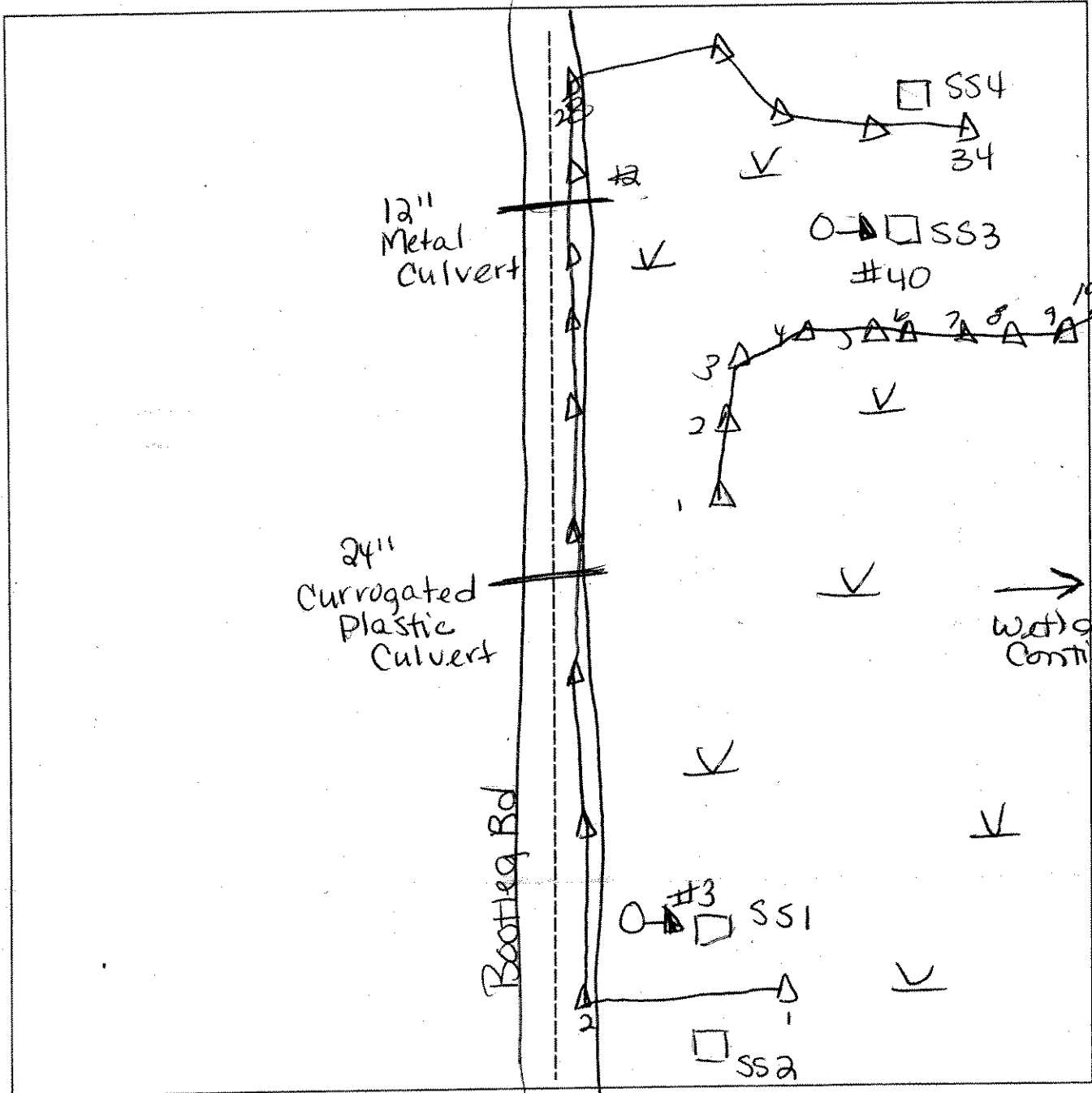
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O/A	10YR-4/3	-	-	Clay Loam
1-16	A <sub>t</sub>	10YR-5/6	-	-	Sand Loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

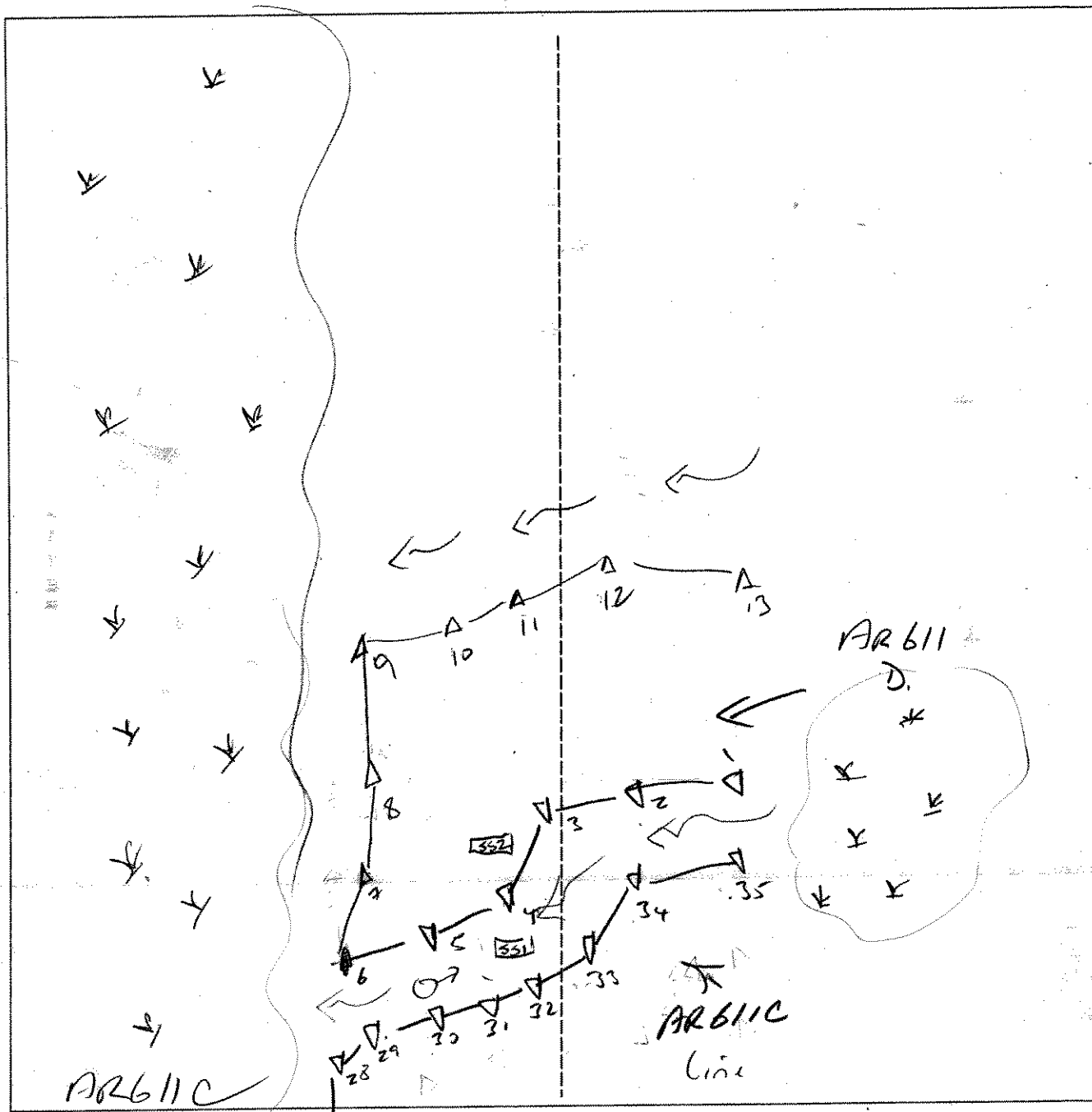
Wetland ID/Route #: AR 611 A/C	Date: 5/4/06	Time:
Initials of Delineators: KH JV	Location: Bootleg Rd	
Roll #: KH	Frames: 3, 4	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <b>AR 611C</b>	Date: <b>5-4-06</b>	Time:
Initials of Delineators: <b>RJD, DO</b>	Location: <b>Access road</b>	
Roll #:	Frames: <b>photo 4 ⇒ 3 at AR 611D</b>	

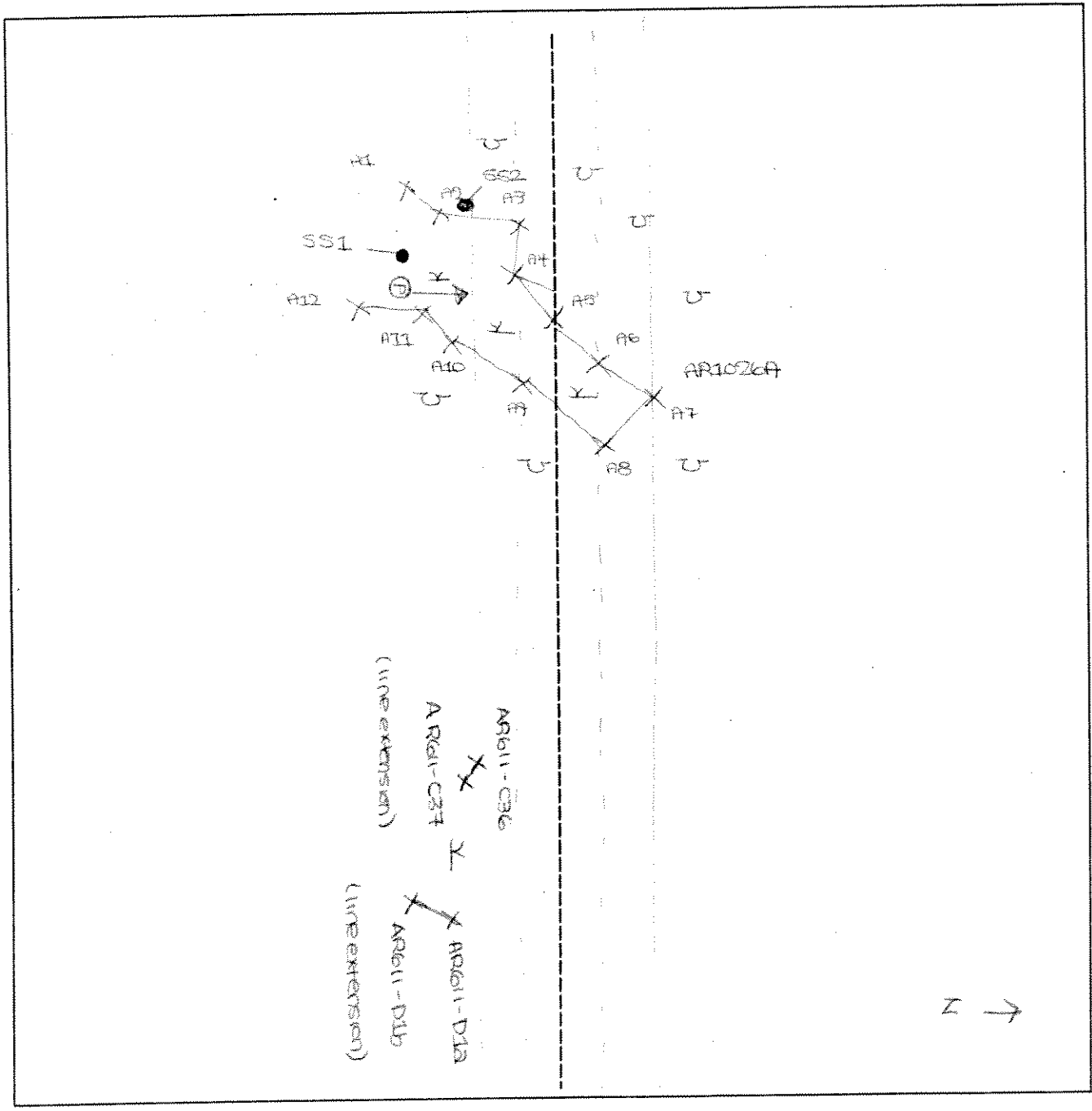


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

Extended Line C/D

**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR1026A + AR611	<b>Date:</b> 7/24/06	<b>Time:</b>
<b>Initials of Delineators:</b> BR / SC	<b>Location:</b> HARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO FACING NORTH		



<u>Legend</u>	
○	Photo Location/Direction
□	Sample Station
---	Centerline
▽	Flag
X	Wetland
—	Upland
—	Stream
- . . -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>RD, DD</u>	Date: <u>5/4/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>ARB 11 D</u> Plot ID: <u>SS1</u>

**VEGETATION**

PFO - Decid.

Plant Community Classification: Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>65%</u> Herb: <u>20%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Trembl. Aspen</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	12.		
5. <u>Northern-bay</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Carex sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Club moss</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ( <u>in places</u> ) <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2 inches in DEPRESSIONAL AREAS</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/4/06  
 Community ID: AR611B  
 Plot ID: SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10 yr 4/1	-	-	silty clay loam
8-18	B	10 yr 6/1	10 yr 5/8	many/medium/prominent	clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RSD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR611B</u> Plot ID: <u>552</u>

**VEGETATION**

upland Deciduous Forest

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>40</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Black Cherry</u>	<u>T/S</u>	<u>FACU</u>	11.		
4. <u>Wormy Elm</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Bramble</u>	<u>S</u>	<u>UPL</u>	13.		
6. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>30.1</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NK</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RD, DD</u>	Date: <u>5/4/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR6113</u> Plot ID: <u>-553</u>

**VEGETATION**

PSS

Plant Community Classification: Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>90%</u> Herb: <u>50%</u> Vine: <input checked="" type="checkbox"/>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>Red maple</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. <u>Spotted Alder</u></td> <td><u>S</u></td> <td><u>FACW+</u></td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. <u>NANA bay</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. <u>B. FIR</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5. <u>meadow sweet</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6. <u>SPRAY m</u></td> <td><u>H</u></td> <td><u>OBL*</u></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	9.			2. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>	10.			3. <u>NANA bay</u>	<u>S</u>	<u>FAC</u>	11.			4. <u>B. FIR</u>	<u>S</u>	<u>FAC</u>	12.			5. <u>meadow sweet</u>	<u>S</u>	<u>FAC</u>	13.			6. <u>SPRAY m</u>	<u>H</u>	<u>OBL*</u>	14.			7.			15.			8.			16.		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator																																																	
1. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	9.																																																			
2. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>	10.																																																			
3. <u>NANA bay</u>	<u>S</u>	<u>FAC</u>	11.																																																			
4. <u>B. FIR</u>	<u>S</u>	<u>FAC</u>	12.																																																			
5. <u>meadow sweet</u>	<u>S</u>	<u>FAC</u>	13.																																																			
6. <u>SPRAY m</u>	<u>H</u>	<u>OBL*</u>	14.																																																			
7.			15.																																																			
8.			16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>																																																						
Remarks: <u>Gray blotch &amp; BEAK within observed in the</u> <u>parts of wetland * NOT listed; presumed OBL</u>																																																						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date: 5/4/05  
 Community ID: wetland  
 Plot ID: AR611B-SS3

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	O	5YR 4/4	-	-	ORGANICS
8-18	A	10YR 4/1	50/50		CLAY
		10YR 6/1			

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
			<input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARSHIE River</u> Applicant/Owner: <u>MARSHIE River, LLC</u> Investigator: <u>RAJ DO</u>	Date: <u>5/4/06</u> County: <u>Cynth</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: <u>AR6117</u> Plot ID: <u>SS4</u>

**VEGETATION** upland forest dead conifer mix - logged

Plant Community Classification:  
Percent Canopy Cover: Tree: 40% Shrub: 30% Herb: 30% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>W. FIR</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>RED maple</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>ORCHARD</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>WOOD fern</u>	<u>H</u>	<u>-</u>	12.		
5. <u>CLUB moss</u>	<u>H</u>	<u>-</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0/A</u> Depth to Free Standing Water in Pit (in.): <u>0/A</u> Depth to Saturated Soil (in.): <u>0/A</u>	

Remarks:

Date: 5/4/05  
 Community ID: Upland  
 Plot ID: AR611B-SS4

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	2.5 yr 3/3	—	—	Organics
2-8	A	10 yr 2/1	—	—	Silt Loam
8-14	B	10 yr 5/2	5 yr 4/6	Few/Fine/prominent	Clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

\* Refusal @ 14"

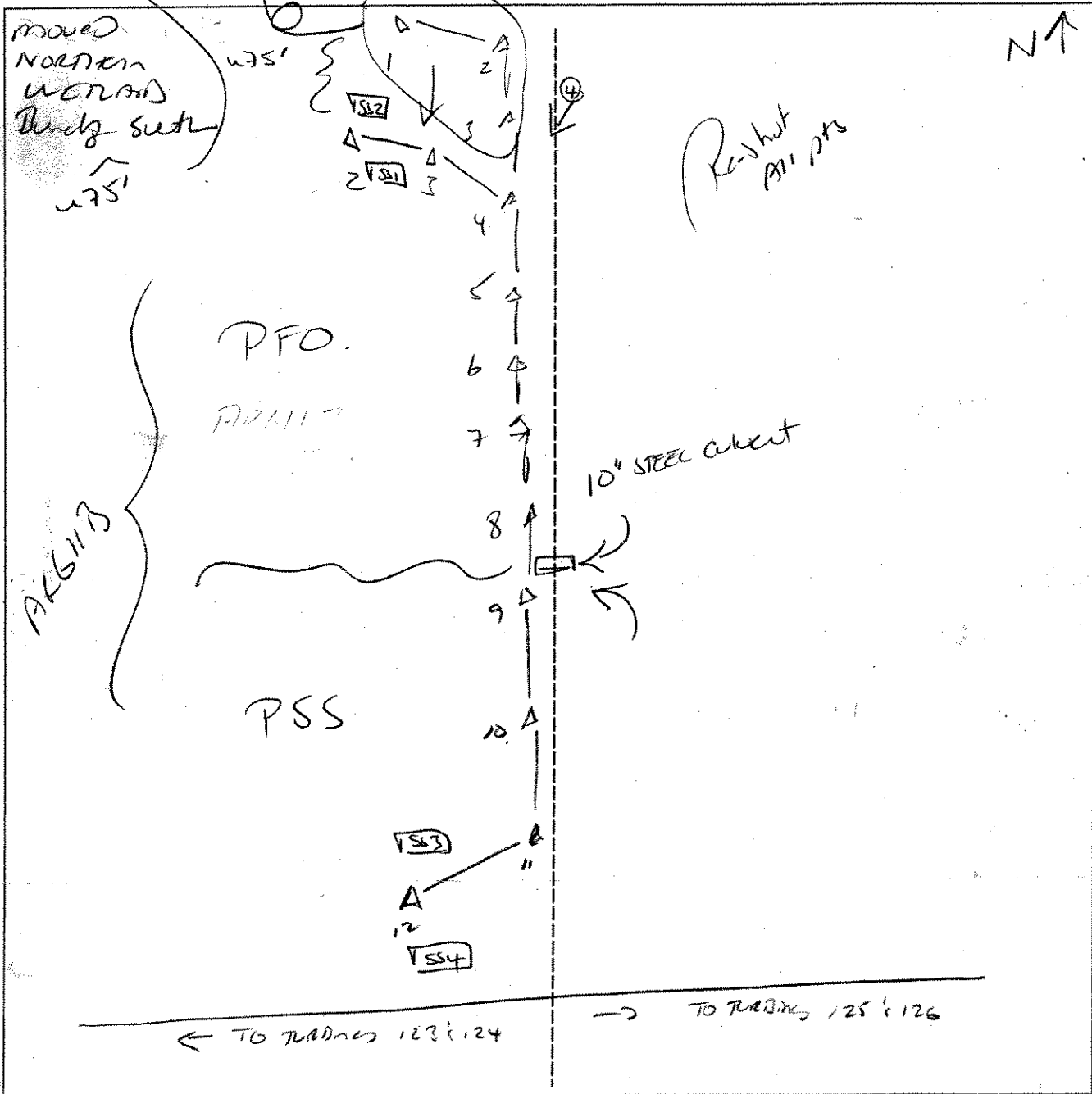
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <i>Boat leg Rd</i>	Date: <i>5/4/06</i>	Time: <i>1430</i>
Initials of Delineators: <i>DO</i>	Location: <i>AR 611B</i>	
Roll #: _____	Frames: <i>Photo 3 → SW of AR 611B</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR611B extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SV AP</i>	Date: <i>5/9/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: Plot ID: <i>AR615 B SSI</i>

**VEGETATION**

*AR904 A  
AR111 G*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>80</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>B. populifolia</i>	S	FAC	13.		
6. <i>Sphagnum moss</i> <i>200</i>	H	OBL	14.		
7. <i>Melospiranthemum canadense</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>3"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 5/9/07  
 Community ID: PSS  
 Plot ID: AR1015A SSI  
 AR904A

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
	A	10YR 2/2			silt
	B	10YR 2/1			silt
5-10	C	2.5Y 4/1	5Y 6/2	common, faint, md	clay
10-19	D	5Y 6/2			sandy clay

**Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: standing water in pit @ 3", organic streaking in C

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks: DEC WL photo 7 = W			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR1015 A SSA</u>

AR 901A  
AR 1011B

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>40</u>	Shrub: <u>40</u>	Herb: <u>65</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Carex subsum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Mourmuntia sp</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Betula pumila</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Carex sp</u>	<u>H</u>	<u>—</u>	12.		
5. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>can not v-d due to season</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 5/9/07  
 Community ID: UP  
 Plot ID: AR015 A  
 AR004 A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	2.5YR 2.5/2			
2-4	A <sub>1</sub>	10YR 2/1			silt loam
4-8	A <sub>2</sub>	10YR 5/2			sandy loam
8-12	B	10YR 3/3			clay loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: organic streaking in B

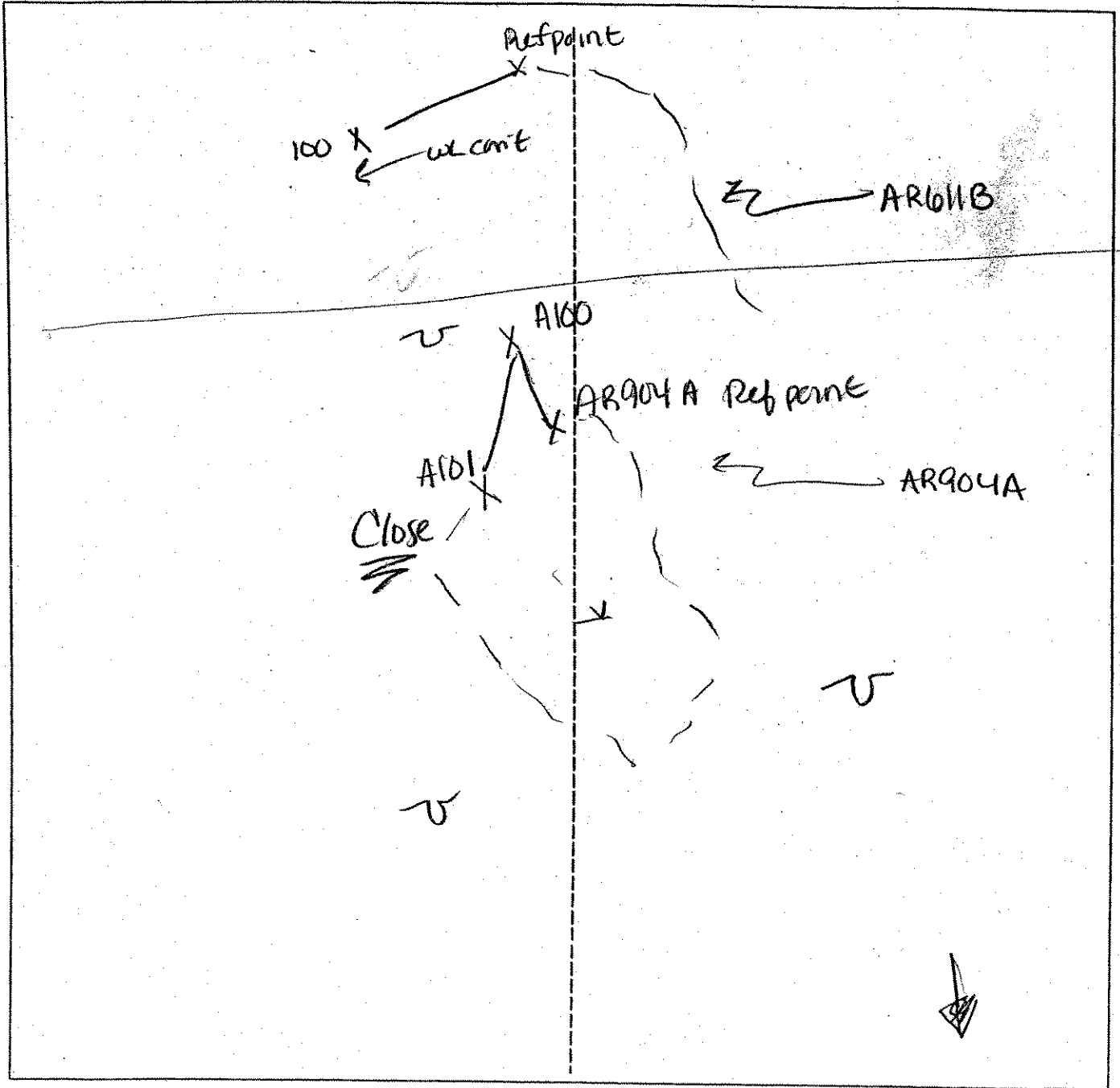
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: AR904 A <u>AR601B</u>		Date: 5/9/07	Time:
Initials of Delineators: JV AP EXTENSION		Location: FWT of T-182	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>RJD DO</i>	Date: <i>5-04-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: <i>ARG11D</i> Plot ID: <i>SS 1</i>

**VEGETATION** *PFO*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80%</i> Shrub: <i>80%</i> Herb: <i>75%</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Nana Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Club Moss</i>	<i>H</i>	<i>—</i>	12.		
5. <i>Sphagnum Moss</i>	<i>H</i>	<i>OBL*</i>	13.		
6. <del><i>Lily sp.</i></del>	<del><i>H</i></del>		14.		
7. <i>Canada Pop Flower</i>	<i>H</i>	<i>FAC-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks: <i>* Not listed; presumed OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>6 inches in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5-04-06  
 Community ID: AR 611 D  
 Plot ID: SS 1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A <sub>1</sub> /O	10yr 2/1	—	—	Silt loam w/ organics
4-12	A <sub>2</sub>	10yr 4/1	2.5yr 3/6	medium / common / prominent	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  * Refusal at 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RJD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR611D</u> Plot ID: <u>SS2</u>

**VEGETATION** Upland Deciduous Forest (logged)

Plant Community Classification: _____ Percent Canopy Cover: Tree: <del>40%</del> <u>55%</u> Shrub: <u>40%</u> Herb: <del>40%</del> <u>60%</u> Vine: <u>0%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Wana Berry</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Unknown shrub</u>	<u>S</u>	<u>-</u>	12.		
5. <u>Clab Moss</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Trout Lily</u>	<u>H</u>	<u>UPL</u> ✓	14.		
7. <u>Wood Fern</u>	<u>H</u>	<u>-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>*Not listed; presumed UPL</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

Date: 5-04-06  
 Community ID: ARG110  
 Plot ID: SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	<b>10</b>	10yr 2/1	—	—	Organics
2-4	A	10yr 3/2	—	—	Silt Loam
4-18	B	10yr 4/4	—	—	Silty <del>clay</del> Loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

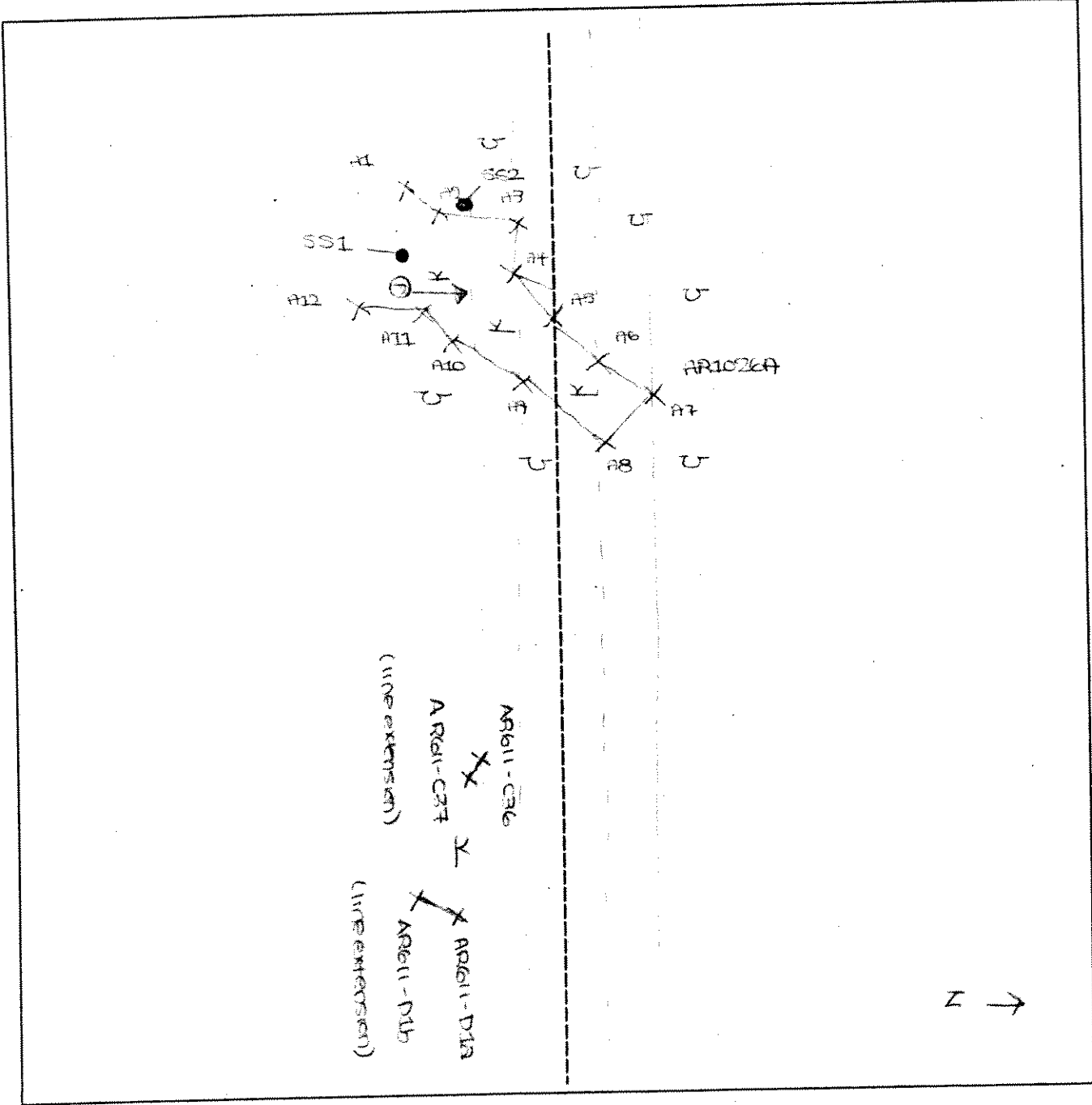
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

Extended Line C/D

## SKETCH FORM

<b>Wetland ID/Route #:</b> AR1026A + AR611	<b>Date:</b> 7/21/06	<b>Time:</b>
<b>Intials of Delineators:</b> BR / SC	<b>Location:</b> HADBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO FACING NORTH		



Legend	
○➔	Photo Location/Direction
□	Sample Station
- - -	Centerline
▽	Flag
X	Wetland
U	Upland
—	Stream
- . . -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

ARG611ABCD extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: AR1028 AB SSI

ARG611ABCD

**VEGETATION**

Plant Community Classification: *Red maple meadow*  
 Percent Canopy Cover: Tree: *40* Shrub: *100* Herb: *75* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>A. rubrum</i>	S	FAC	11.		
4. <i>B. populifolia</i>	S	FAC	12.		
5. <i>Carex</i> sp	H		13.		
6. <i>Sphagnum</i> moss >50% in spots	M	OBL	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *>50%*

Remarks: *Can not id due to season*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>NA</i>  Depth to Free Standing Water in Pit (in.): <i>NA</i>  Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	



Date: 5/9/07  
 Community ID: PFO1  
 Plot ID:

AR1028 AB SSL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			silt loam
4-12	B	2.5Y 4/2	2.5Y 5/6	prom. few, fine	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: saturated at 0", organic streaking in B					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetlands Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: PHOTO 10 = N DECU Area has recently been logged. Soils have been disturbed, hydrology altered due to ruts and compaction. Mature trees have been harvested.	

Area is significantly populated by wildlife. Several Bird species observed nesting and foraging.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/19/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> (If needed, explain on reverse.)	Community ID: UA Transect ID: Plot ID: AR1028 AB 882 <div style="text-align: right; border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">AR1011 ABCD EXT</div>

**VEGETATION**

Plant Community Classification: PFD1 Percent Canopy Cover: Tree: 30 Shrub: 40 Herb: 60 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>A. rubrum</i>	S	FAC	10.		
3. <i>Viburnum lentago</i>	J	FAC	11.		
4. <i>Pteridium aquilinum</i>	H	FACW	12.		
5. <i>Galathea</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: UPL  
 Plot ID: AR1028 AB 550

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	2.5YR 2.5/3			
1-3	O	10YR 2/1			silt
3-12	A	5Y 5/2	10YR 5/6	prom., few, fine	clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

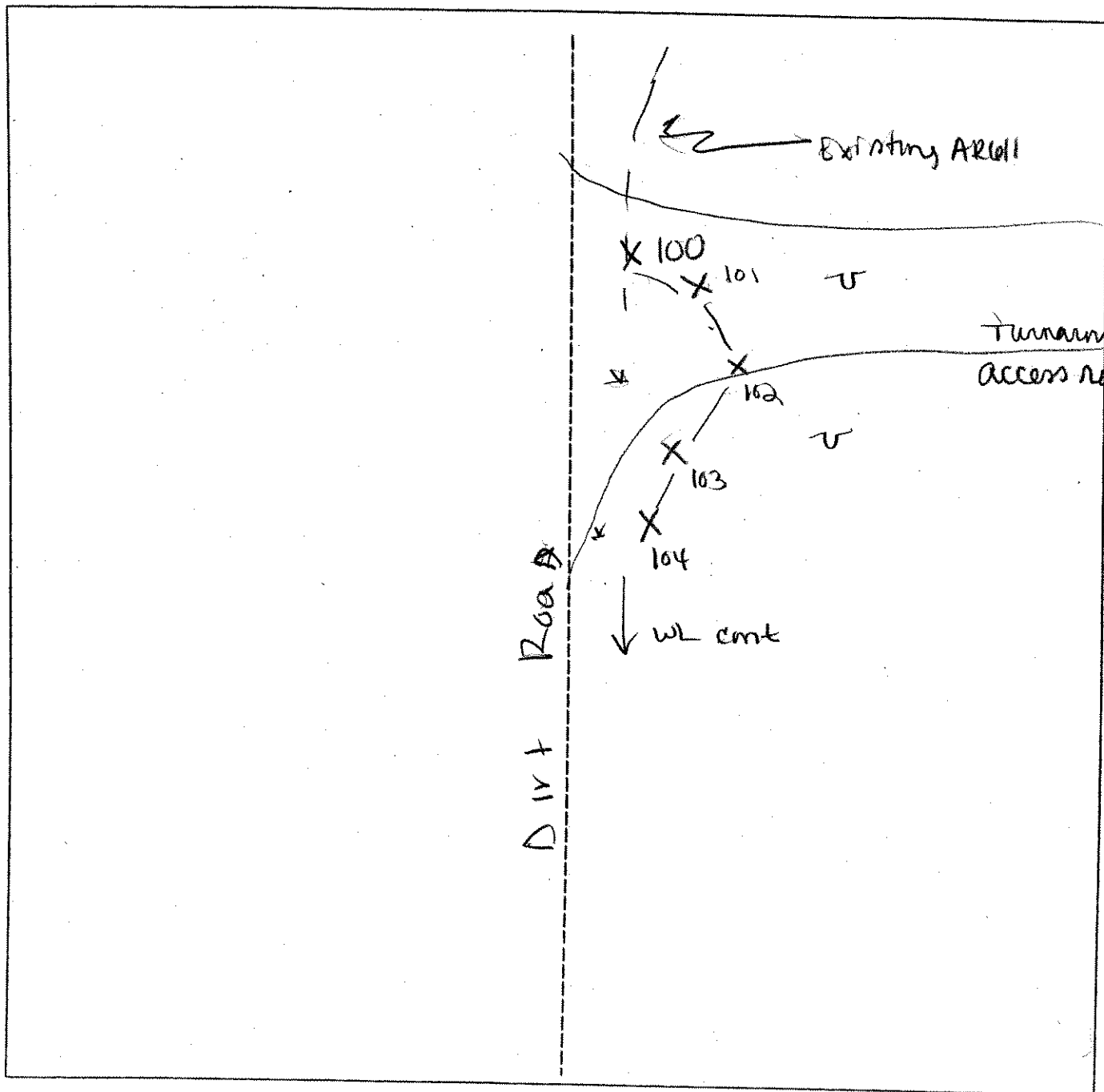
Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks: Area has been logged. Refer to AR1028 AB 551		

SKETCH FORM

Wetland ID/Route #: <b>ARoll AR00 EXTENSION</b>	Date: <b>5/9/07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location: <b>AR by T-194</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBLE RIDGE</u> Applicant/Owner: <u>MARBLE RIDGE, LLC</u> Investigator: <u>TRD, TRJ</u>	Date: <u>5/5/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR611E</u> Plot ID: <u>SS1</u>

**VEGETATION**

Plant Community Classification: PSS

Percent Canopy Cover: Tree: 20% Shrub: 80% Herb: 20% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED maple</u>	<u>T/S/H</u>	<u>FAC</u>	9.		
2. <u>GRAY Birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>NARA BAY</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>MT. AINOU</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>TROUT Lily</u>	<u>H</u>	<u>UPL*</u>	13.		
6. <u>sensitive fern</u>	<u>H</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80%

Remarks:

\* Not listed; presumed UPL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5/5/06  
 Community ID: ARB11E  
 Plot ID: S51

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/1			SL CL LO
6-18	B	10YR 5/1	7.5YR 5/8	Common/med. prominent	CL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBIERIVER</u> Applicant/Owner: <u>MARBIERIVER, LLC</u> Investigator: <u>TRT, TRJ</u>	Date: <u>5/5/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>132611E</u> Plot ID: <u>SS2</u>

**VEGETATION**

UPLAND - SAUB SHRB - DECID

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>75%</u> Herb: <u>5%</u> Vine: <u>Ø</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T/S/A</u>	<u>FAC</u>	9.		
2. <u>BILL CHERRY</u>	<u>S/H</u>	<u>FACU</u>	10.		
3. <u>TRAIL GILLY</u>	<u>H</u>	<u>UPL</u>	11.		
4. <u>MT. ALDER</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Ø PASPEO</u>	<u>T</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		

*(cont'd)*

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 40%

Remarks:  
\* Not listed; presumed UPL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/A</u> Depth to Free Standing Water in Pit (in.): <u>n/A</u> Depth to Saturated Soil (in.): <u>n/A</u>	

Remarks:

Date: 5/5/06  
 Community ID: ~~Walla Upland~~  
 Plot ID: ARG11E-SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	5YR 3/3	—	—	ORGANIC?
2-18	A	7.5YR 4/3	—	—	SI CL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>RTD, RT</u>	Date: <u>5/5/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WERAN1</u> Transect ID: <u>AR611E</u> Plot ID: <u>SSX</u> <u>AR611E-SS3</u>

**VEGETATION** PSS/PEM

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 0 Shrub: 786 Herb: 854 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPELLIS MIDA</u>	<u>3</u>	<u>FACW</u>	9.		
2. <u>MEADOWSWEET</u>	<u>3</u>	<u>FAC</u>	10.		
3. <u>CAREX LURIDA</u>	<u>17</u>	<u>OBL</u>	11.		
4. <u>SPARG. MUN</u>	<u>17</u>	<u>OBL*</u>	12.		
5. <u>CAREX SP</u>	<u>17</u>	<u>—</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
Not Listed; presumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>12" + in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	

Remarks:

Date: 5/5/06  
 Community ID: WOTRAID  
 Plot ID: AR611C-SSX

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/1			SILT LO

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor (faint)	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*refusal of auger @ 6"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MADDIE RIVER</u> Applicant/Owner: <u>MADDIE RIVER, LLC</u> Investigator: <u>TSJ, JAJ</u>	Date: <u>5/5/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? (If needed, explain on reverse.)	Community ID: <u>UPLand</u> Transect ID: <u>ARB11E</u> Plot ID: <u>-554</u>

**VEGETATION** UPLAND STRUB

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>35%</u> Shrub: <u>80%</u> Herb: <u>25%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MC ALDER</u>	<u>S</u>	<u>FAC</u>	9. <u>SUPER MAPLE</u>	<u>T</u>	<u>FACU-</u>
2. <u>BRAUER FERN</u>	<u>H</u>	<u>FACU</u>	10. <u>CAROLINA SPRING BEAUTY</u>	<u>H</u>	<u>FACU</u>
3. <u>TRIF CHERRY</u>	<u>T/S</u>	<u>FACU</u>	11. <u>TRILINUM SP</u>	<u>H</u>	<u>-</u>
4. <u>STRAWBERRY</u>	<u>H</u>	<u>UPL</u>	12.		
5. <u>TROUT LILY</u>	<u>H</u>	<u>UPL*</u>	13.		
6. <u>WOOD FERN</u>	<u>H</u>	<u>-</u>	14.		
7. <u>GRASS SP</u>	<u>H</u>	<u>-</u>	15.		
8. <u>NANA BERRY</u>	<u>S</u>	<u>FAC</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 26%

Remarks:

\* Not listed; presumed UPL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/5/06  
 Community ID: UPLAND  
 Plot ID: AR 611E-SS 4

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>1</sub>	10YR 2/1	—	—	Silt loam
2-8	A <sub>2</sub>	10YR 4/2	—	—	Silt loam
8-16	B	7.5YR 4/6	—	—	Silt clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Refusal @ 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>JTB, JT</u>	Date: <u>5/5/06</u> County: <u>Cl. Co.</u> State: <u>NT</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wetlands</u> Transect ID: <u>AR 611E</u> Plot ID: <u>555</u>

**VEGETATION**

PSS / PEN

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>75%</u> Herb: <u>80%</u> Vine: <u>0</u>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>MARSH WIND</u></td> <td><u>H</u></td> <td><u>OBL</u></td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. <u>S. PERILLON ARDEN</u></td> <td><u>S</u></td> <td><u>FACW</u></td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. <u>SPHAGNUM</u></td> <td><u>H</u></td> <td><u>OBL*</u></td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. <u>CALIX SP</u></td> <td><u>H</u></td> <td></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5.</td> <td></td> <td></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6.</td> <td></td> <td></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <u>MARSH WIND</u>	<u>H</u>	<u>OBL</u>	9.			2. <u>S. PERILLON ARDEN</u>	<u>S</u>	<u>FACW</u>	10.			3. <u>SPHAGNUM</u>	<u>H</u>	<u>OBL*</u>	11.			4. <u>CALIX SP</u>	<u>H</u>		12.			5.			13.			6.			14.			7.			15.			8.			16.		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator																																																	
1. <u>MARSH WIND</u>	<u>H</u>	<u>OBL</u>	9.																																																			
2. <u>S. PERILLON ARDEN</u>	<u>S</u>	<u>FACW</u>	10.																																																			
3. <u>SPHAGNUM</u>	<u>H</u>	<u>OBL*</u>	11.																																																			
4. <u>CALIX SP</u>	<u>H</u>		12.																																																			
5.			13.																																																			
6.			14.																																																			
7.			15.																																																			
8.			16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>																																																						
Remarks: <u>+ open water</u> <u>*Assume OBL</u>																																																						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>12+ inch in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5/5/06  
 Community ID: Wetland  
 Plot ID: ARGIE-SS5

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 5/1	10YR 5/4	Common / list	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

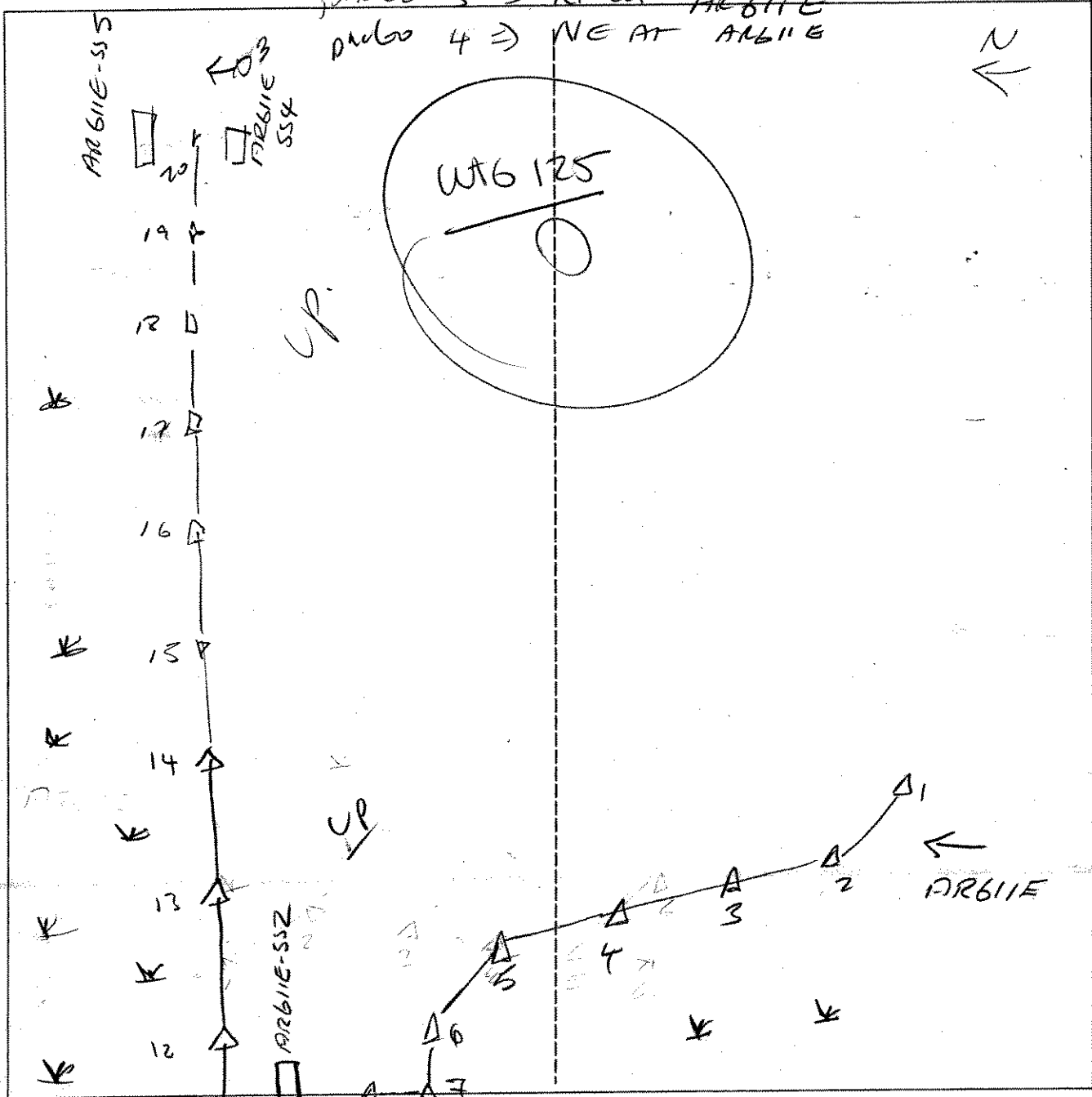
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

SKETCH FORM

Wetland ID/Route #: EAST OF ROUTEB RD.	Date: 5/5/06	Time: 0930
Initials of Delineators: [Handwritten initials]	Location: ARBIE	
Roll #: 4	Frames: Photo 1 => N W ARBIE/C Photo 2 => S W ARBIE Photo 3 => N W ARBIE Photo 4 => NE AT ARBIE	



<p>Legend</p> <ul style="list-style-type: none"> <li> Wetland</li> <li> Upland</li> <li> Stream</li> <li> Intermittent Stream</li> </ul>	<p>  Photo Location/Direction   Sample Station   Centerline   Flag         </p>
--	---

ARBIE

Wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual) Down Brook A G

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BDR</u>	Date: <u>5/5/06</u> County: <u>Clermont</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes</td> <td style="text-align: center;"><input type="checkbox"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="checkbox"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="checkbox"/> No</td> </tr> </table>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Yes	<input checked="" type="checkbox"/> No	Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No						
Yes	<input checked="" type="checkbox"/> No						
Yes	<input checked="" type="checkbox"/> No						
Community ID: <u>PR0/P56</u> Transect ID: <u>AR 615-Regina</u> Plot ID: <u>AR 615-991 - Regina</u>							

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 20.5 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. imbricate</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Aspen</u>	<u>Tree</u>	<u>FACU</u>	10.		
3. <u>Green Birch</u>	<u>Shrub</u>	<u>FAC</u>	11.		
4. <u>Herringberry</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Mayflower</u>	<u>Herb</u>	<u>FAC-</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 60

Remarks: \* Sphagnum

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>None</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>Surface</u></p> <p>Depth to Saturated Soil (in.): <u>Surface</u></p>	
<p>Remarks:</p>	



Wetland

Date: 5/5/06  
Community ID: P26/P25  
Plot ID:

P2615 - A-SU40 SS1

**SOILS**

Map Unit Name (Series and Phase): N/A	Drainage Class: PD
Taxonomy (SubGroup): N/A	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/1	None	None	Muddy loam
10-16	Bg <sub>1</sub>	10YR 6/1	None	None	Sl

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks: Previous wetland ID Te-2055

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Upland  
 Upland A-VF

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BPC</u>	Date: <u>5/5/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>PFO/Peto</u> Transect ID: <u>A2615-50-2</u> Plot ID: <u>A2615-A series</u>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover:      Tree: <u>63</u> Shrub: <u>10.5</u> Herb: <u>20.5</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aspen</u>	<u>Tree</u>	<u>FACU</u>	9.		
2. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Wormy birch</u>	<u>Shrub</u>	<u>FAC</u>	11.		
4. <u>Red Maple</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Maiglöckchen</u>	<u>Herb</u>	<u>FACU</u>	13.		
6. <u>Bracken Fern</u>	<u>Herb</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None Observed</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>&gt; 16"</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 16"</u> Depth to Saturated Soil (in.): <u>&gt; 16"</u>	
Remarks: <u>no wetland hydrology obs.</u> <u>Recent Rain 5/2 - 5/3</u>	

Date: 5/5/06  
 Community ID: PFD / P85  
 Plot ID:  
 AR 615-P-series 65-2  
 upland A-S

**SOILS**

Map Unit Name N/A (Series and Phase):  
 Drainage Class: MWD  
 Taxonomy (SubGroup): N/A  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10YR 3/2	None	None	FSL
8-14	E	10YR 6/2	None	None	FSL
14-18	Bw1	7.5YR 4/6	None	None	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

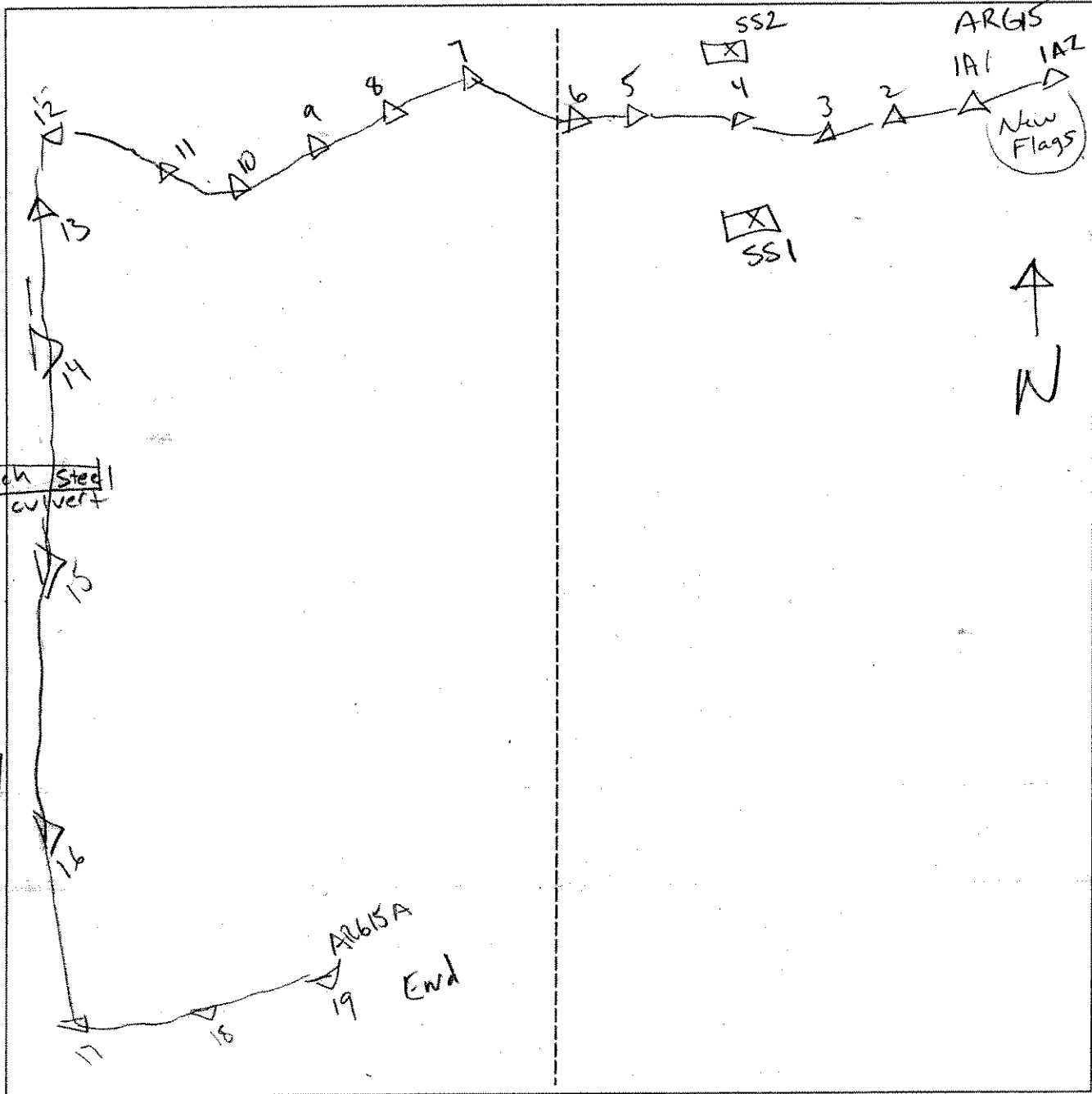
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Hydric Soils Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Remarks: Previous Wetland ID 2006

SKETCH FORM

Wetland ID/Route #: AR 615-B	Date: 5/8/06	Time:
Initials of Delineators: DPR	Location: Marble River	
Roll #:	Frames: 47 : Looking NE @ AR615A	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Downgradient AR 615  
B12B2

Project Site: Marble River Applicant/Owner: Marble River Investigator: BTR	Date: 5/5/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PFO/PSS Transect ID: AR 615-SS-1 Plot ID: SS-1-B-series

**VEGETATION**

\* Adj. gravel road, logging activity in vicinity

Plant Community Classification:					
Percent Canopy Cover:		Tree: 38.0	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	Tree	FAC	9.		
2. Red maple	Sap	FAC	10.		
3. Red maple	Shrub	FAC	11.		
4. Spruce Pine	Shrub	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks: Sphagnum					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): None Depth to Free Standing Water in Pit (in.): 6" Depth to Saturated Soil (in.): 6"	
Remarks: Recent Rain 5/2 & 5/3	

Date: 5/5/06  
 Community ID: DR-615  
 Plot ID: 55-1 - B. Sures  
 Wetland

**SOILS**

Map Unit Name (Series and Phase):		N/A		Drainage Class: PD	
Taxonomy (SubGroup):		N/A		Field Observations Confirm Mapped Type? Yes No	
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Dp	10YR 3/1	N/A	None	None
6-12	Bw	10YR 5/2	10YR 5/6	5% -	FSL
12-16"	Bw <sub>2</sub>	10YR 4/1	10YR 5/4	2% -	FSL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks: Wetland Area previously delineated to 2005			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Upgradient AR 615-B1 & B2

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BJR	Date: 5/5/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PFO/BS Transect ID: AR 615-SS-2 Plot ID: SS-2-B-Series

\* Adj. gravel road, logging activity in vicinity

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63% Shrub: 38% Herb: 3% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	T	FAC	9.		
2. Gray Birch	Shrub	FAC	10.		
3. Bracken Fern	Herb	FACU	11.		
4. Red Maple	Shrub	FAC	12.		
5. Nannyberry	Shrub	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: No Indicators Obs. <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): > 16"  Depth to Free Standing Water in Pit (in.): > 16"  Depth to Saturated Soil (in.): > 16"	
Remarks: * Recent Rain 5/2 & 5/3.	

Date: 5/5/00  
 Community ID: DR-615  
 Plot ID: SS-2 - B-series Flay  
 Wetland

**SOILS**

Map Unit Name (Series and Phase): <i>N/A</i>		Drainage Class: <i>mwb</i>			
Taxonomy (SubGroup): <i>N/A</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	<i>Ap</i>	<i>10YR 3/2</i>	<i>None</i>	<i>None</i>	<i>None</i>
4-6	<i>E</i>	<i>10YR 5/2</i>	<i>None</i>	<i>None</i>	<i>None</i>
6-12	<i>Bw<sub>1</sub></i>	<i>10YR 4/6</i>	<i>None</i>	<i>None</i>	<i>None</i>
12-16"	<i>Bw<sub>2</sub></i>	<i>10YR 6/6</i>	<i>None</i>	<i>None</i>	<i>None</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>short E-horizon - no redox features observed</i>					

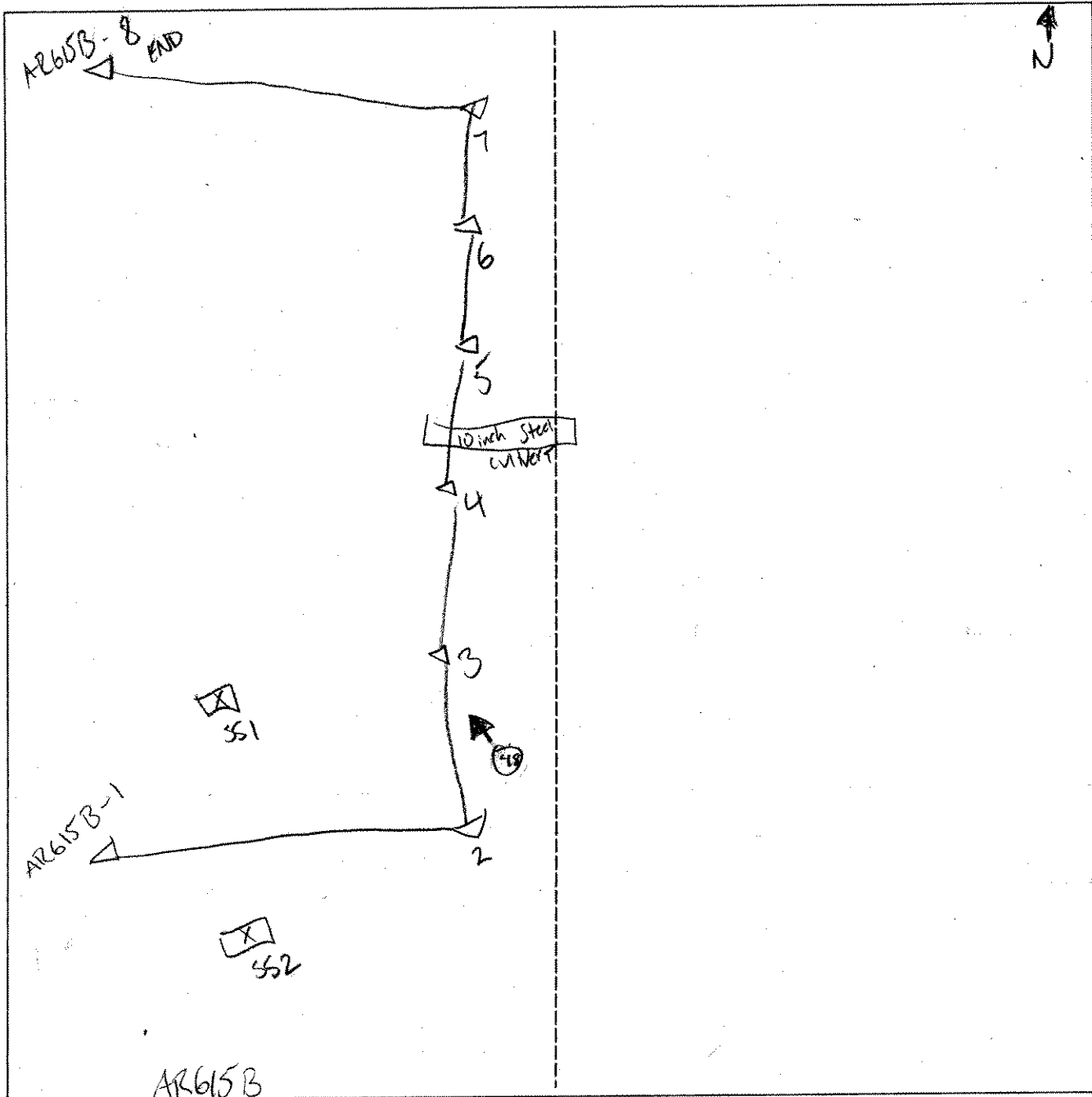
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Remarks <i>Wetland Area previously delineated to 2005?</i>			



**SKETCH FORM**

Wetland ID/Route #: AR 615 B	Date: 5/5/06	Time:
Initials of Delineators: BPD	Location: Marble River	
Roll #:	Frames: 48 : Looking NW @ AR615B	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR615B EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <b>IV AP</b>	Date: <b>5/9/07</b> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: <b>AR615 B SSI</b>

**VEGETATION**

AR904 A  
AR615 B

Plant Community Classification:					
Percent Canopy Cover: Tree: <b>200</b> Shrub: <b>80</b> Herb: <b>80</b> Vine: <b>0</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>B. populifolia</i>	S	FAC	13.		
6. <i>Sphagnum moss</i> 200	H	OBL	14.		
7. <i>M. canadensis</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>100</b>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <b>NA</b> Depth to Free Standing Water in Pit (in.): <b>3"</b> Depth to Saturated Soil (in.): <b>0"</b>	
Remarks:	

Date: 5/9/07  
 Community ID: PSS  
 Plot ID: AR615A SSI  
 AR904A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/2			silt
3-5	B	10YR 2/1			silt
5-10	C	2.5Y 4/1	5Y 6/2	common, faint, md	clay
10-14	D	5Y 6/2			sandy clay

Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: standing water in pit @ 3", organic streaking in C

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: DEC WL photo 7 = W

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JN AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR015 B S52

AR904A  
AR1011B

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: 40 Shrub: 40 Herb: 65 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Myrica asplenifolia	S	FAC	10.		
3. Betula populifolia	S	FAC	11.		
4. Aster sp	H		12.		
5. Pteridium aquilinum	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: cannot v.d due to season					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: NA Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/19/07  
 Community ID: UPA  
 Plot ID: AR615 A  
 AR904A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concrete Structure, etc.
0-2	O	2.5YR 2.5/2			
2-4	A <sub>1</sub>	10YR 2/1			2.15 to 9 in
4-8	A <sub>2</sub>	10YR 5/2			sandy loam
8-12	B	10YR 3/3			clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: organic streaking in B

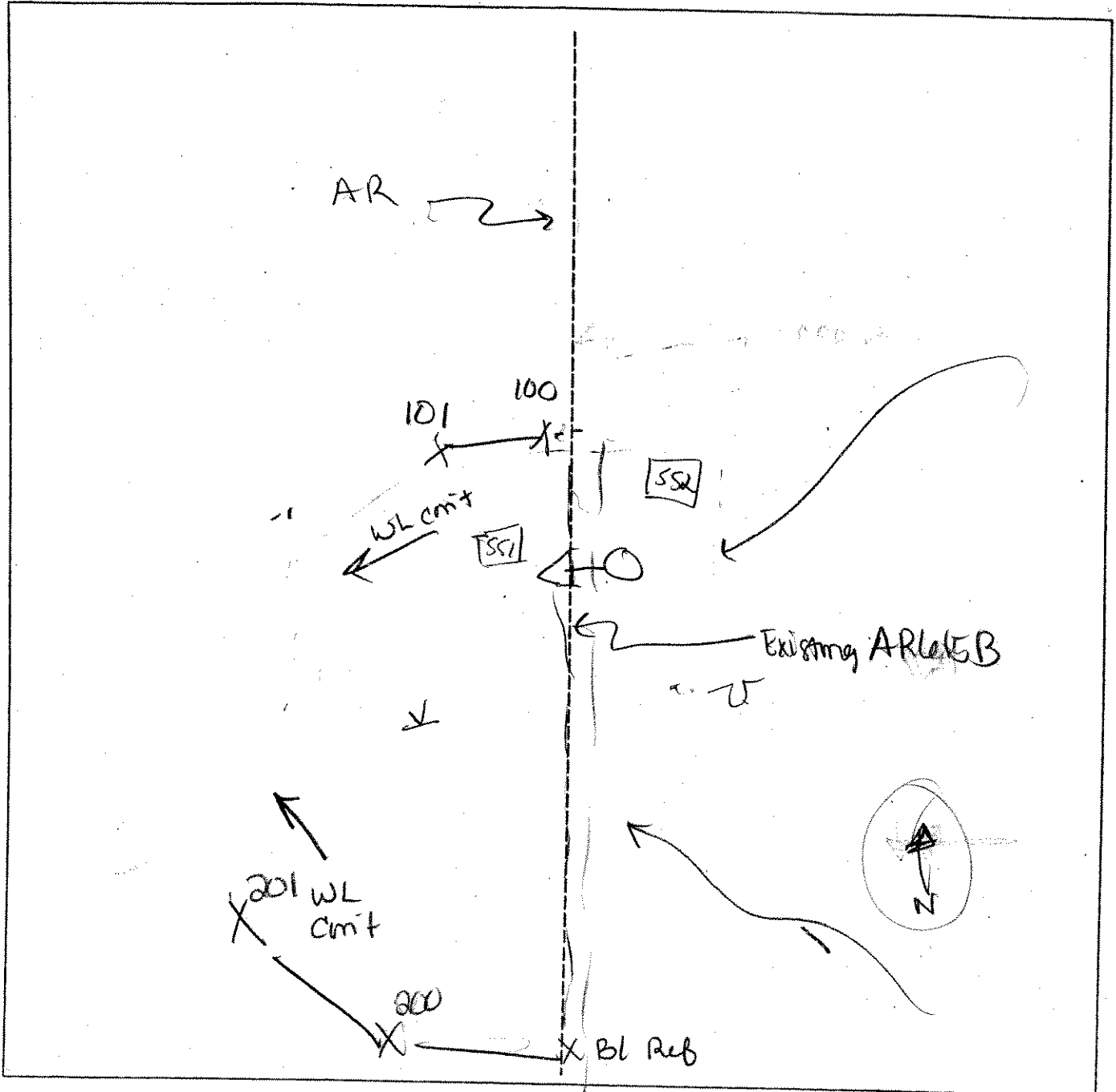
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: AR615 B EXTENSION	Date: 5/9/07	Time:
Initials of Delineators: JV AP	Location: T.209	
Roll #:	Frames: 7 = W	



Legend	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
∨	Wetland
U	Upland
—	Stream
- . -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MADIE River</u> Applicant/Owner: <u>MADIE River LLC</u> Investigator: <u>RATTS - RT</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: <u>AR617A</u> Plot ID: <u>SSI</u>

**VEGETATION** PSS/PBW - Rutted

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MORRIS Sweet</u>	<u>S</u>	<u>FACW</u>	9. <u>SALIX</u>	<u>S</u>	<u>-</u>
2. <u>Gum sp</u>	<u>H</u>	<u>-</u>	10.		
3. <u>Cyper sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>STEE Ple hsh</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>OA Creeper</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>SIDA herb</u>	<u>H</u>	<u>UPL</u>	14.		
7. <u>DK Grass Bulrush</u>	<u>H</u>		15.		
8. <u>Sensitive fern</u>	<u>H</u>	<u>FAW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>- J. eggus in other parts of wetland</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ( <u>in Ruts</u> ) <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>8-10"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>- standing water up to 8" in Ruts of other parts of wetland</u>	

Date: 5/7/06  
 Community ID: WERAND  
 Plot ID: AL617A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 4/2	—	—	Silt loam
8-18	B	10YR 6/1	10YR 5/8	many coarse / poor	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks: Disturbed area deeply rutted wetlands w/ concentrated (many) in RUTTS. but scattered throughout



Boundary of Field Reviewed wetlands verified  
- unchanged.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RJA, JAV</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>No</u> Is the area a potential Problem Area? <u>No</u> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR617A</u> Plot ID: <u>552</u>

**VEGETATION** Open Early Successional

Plant Community Classification:  
Percent Canopy Cover: Tree: 0 Shrub: 30% Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Steeple bush</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>mesquit</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Clematis</u>	<u>H</u>	<u>-</u>	11.		
4. <u>White flower</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Solidago sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Grass sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Yarrow</u>	<u>H</u>	<u>FACW</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/A</u> Depth to Free Standing Water in Pit (in.): <u>n/A</u> Depth to Saturated Soil (in.): <u>n/A</u>	
Remarks:	

Date: 5/7/06  
 Community ID: Upland  
 Plot ID: AL617A

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10R4/4	—	—	Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks  
 Disturbed field.



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>RTN, RT</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>Wetlands</u> Transect ID: <u>AR618A</u> Plot ID: <u>SSI</u>							

**VEGETATION**

PSS / PEN

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>Ø</u>	Shrub: <u>70%</u>	Herb: <u>95%</u>	Vine: <u>Ø</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silky willow	S	OBL	9. CATOONYS	H	OBL
2. Water hyacinth	H	FACU	10. Carex lasiocarpa	H	OBL
3. Green sp.	H	-	11. SLEEPIE BUSH	S	FACW
4. Red canopy grass	H	FACW	12.		
5. Meadow sweet	S	FACW	13.		
6. Red maple	S	FAC	14.		
7. Equisetum	H	-	15.		
8. Carex sp.	H	-	16.		

Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): 90%

Remarks:

From tree stumps

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>8" in places</u> Depth to Free Standing Water in Pit (in.): <u>Ø</u> Depth to Saturated Soil (in.): <u>Ø</u>	Remarks:

Date: 5/7/06  
 Community ID: wetland  
 Plot ID: AR618A-SS1

**SOILS**

Map Unit Name: [Redacted]  
 (Series and Phase)  
 Taxonomy (Sub): [Redacted]  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 5/1	10YR 5/8	(w/ma) / clut / clay

- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes No  
 Wetlands Hydrology Present? Yes No  
 Hydric Soils Present? Yes No  
 Is this Sample Station Point Within a Wetland? Yes No

Remarks  
 Photo → SE of wetland AR618A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MADRID River</u> Applicant/Owner: <u>MADRID RIVER, LLC</u> Investigator: <u>ROTH, PA</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> Is the area a potential Problem Area? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR618A upland</u> Plot ID: <u>SS2</u>

**VEGETATION**

Upland Raised Access Rd.

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White clover</u>	<u>H</u>	<u>FACU-</u>	9.		
2. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>Ben sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Red clover</u>	<u>H</u>	<u>FACU-</u>	12.		
5. <u>Common plantain</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	
Remarks:	

Date: 5/7/06  
 Community ID: Upland  
 Plot ID: AR618A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/2	—	—	Silty clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refused ob Auger at 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>BIA, BT</u>	Date: <u>5/8/06</u> County: <u>Clinch</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WETLANDS</u> Transect ID: <u>AR6183</u> Plot ID: <u>SS1</u>

**VEGETATION**

PSS.

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>85%</u> Herb: <u>95%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Bass Willow</u>	<u>S</u>	<u>FACW</u>	9. <u>WATER LILY</u>	<u>H</u>	<u>OBL</u>
2. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	10. <u>WATER LILY</u>	<u>H</u>	
3. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	11. <u>WATER LILY</u>	<u>S</u>	<u>FACW</u>
4. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>	12.		
5. <u>WATER LILY</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>RED CANARY GRASS</u>	<u>H</u>	<u>FACW+</u>	14.		
7. <u>MEADOW SWEET</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>SPERMATOPHYTES</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>* Not listed; presumed OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>6"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



Date: 5/8/06  
 Community ID: WERAN.D  
 Plot ID: AR618B-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					Texture, Concretions, Structure, etc.:
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	
0-6	A	10YR 2.5/2	—	—	Silty clay loam
6-12	B	10YR 4/1	—	—	Silty clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal of Auger at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/> No	
Hydric Soils Present?	Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARIE RIVER</u>	Date: <u>5/18/06</u>						
Applicant/Owner: <u>MARIE RIVER, LLC</u>	County: <u>CLACK</u>						
Investigator: <u>TOM RIF</u>	State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes <input checked="" type="radio"/></td> <td>No <input type="radio"/></td> </tr> <tr> <td>Yes <input type="radio"/></td> <td>No <input checked="" type="radio"/></td> </tr> <tr> <td>Yes <input type="radio"/></td> <td>No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
	Community ID: <u>UPLAND</u> Transect ID: <u>AR618B</u> Plot ID: <u>SS2</u>						

**VEGETATION** Open Early Successional

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>40%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del>Tree</del> <u>Goldenrod sp.</u>	<del>S</del> <u>H</u>	<del>—</del> <u>—</u>	9. <u>Highbush blackberry</u>	<u>S</u>	<u>FACU-</u>
2. <del>Tree</del> <u>Goldenrod sp.</u>	<u>H</u>	<u>—</u>	10. <u>Rack-leafed goldenrod</u>	<u>H</u>	<u>FAC</u>
3. <u>Doxillin</u>	<u>H</u>	<u>FACU</u>	11. <u>Canada goldenrod</u>	<u>H</u>	<u>FACU</u>
4. <u>SALIX sp.</u>	<u>S</u>	<u>—</u>	12.		
5. <u>GRAM sp.</u>	<u>H</u>	<u>—</u>	13.		
6. <u>Senecio</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>TANEX sp.</u>	<u>H</u>	<u>—</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/8/06  
 Community ID: UPLA7  
 Plot ID: AR6187B-SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-18	A	10YR4/3	—	—	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Morris River</u> Applicant/Owner: <u>Morris River LLC</u> Investigator: <u>RVD, BT</u>	Date: <u>5/8/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AL618B</u> Plot ID: <u>SS3</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sensitive fern	H	FACW	9. Spotted Alder	S	FACW+
2. Carex sp	H	—	10. nanny berry	S	FAC
3. Equisetum	H	OBL	11. Red maple	S/H	FAC
4. Sphagnum moss	H	OBL+	12. High bush blackberry	S	FACU-
5. may flower	H	FAC	13. Swicberry	S	FAC
6. meadow sweet	S	FACW	14. Silky willow	S	OBL
7. GRAY DITCH	TB	FAC	15.		
8. Q Aspen	T/S	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>85%</u>					
Remarks: <u>X Not listed; presumed OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2' in places</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date: 5/8/06  
 Community ID: WOLANDS  
 Plot ID: AR618B-SS3

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-12	A	10YR 4/1	—	—	STY CLAY
12-18	BS	10YR 5/1	7.5YR 2/8	com/med/Pro	CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks \_\_\_\_\_

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>RTD RT-</u>	Date: <u>5/8/06</u> County: <u>CINCINNATI</u> State: <u>OH</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR618B</u> Plot ID: <u>SS4</u>

**VEGETATION** modified - TREE PLANTATION w/ DRAINAGE DITCH SLOTTED

Plant Community Classification:						
Percent Canopy Cover: Tree: <u>0</u> Shrub: _____ Herb: _____ Vine: _____						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>	9.			
2. <u>BIRCH</u>	<u>S</u>	<u>FAC</u>	10.			
3. <u>Howland</u>	<u>H</u>	<u>UPL</u>	11.			
4. <u>GRASS</u>	<u>H</u>	<u>-</u>	12.			
5. <u>Sewer</u>	<u>S</u>	<u>FAC</u>	13.			
6. <u>High bush blackberry</u>	<u>S</u>	<u>UPL</u>	14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/8/06  
 Community ID: UPIAN  
 Plot ID: AR61813-SSX

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/4?	—	—	Silt/clay lam
8-18	B	10YR 2/5?	7.5YR 5R	band red/perm clay	clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

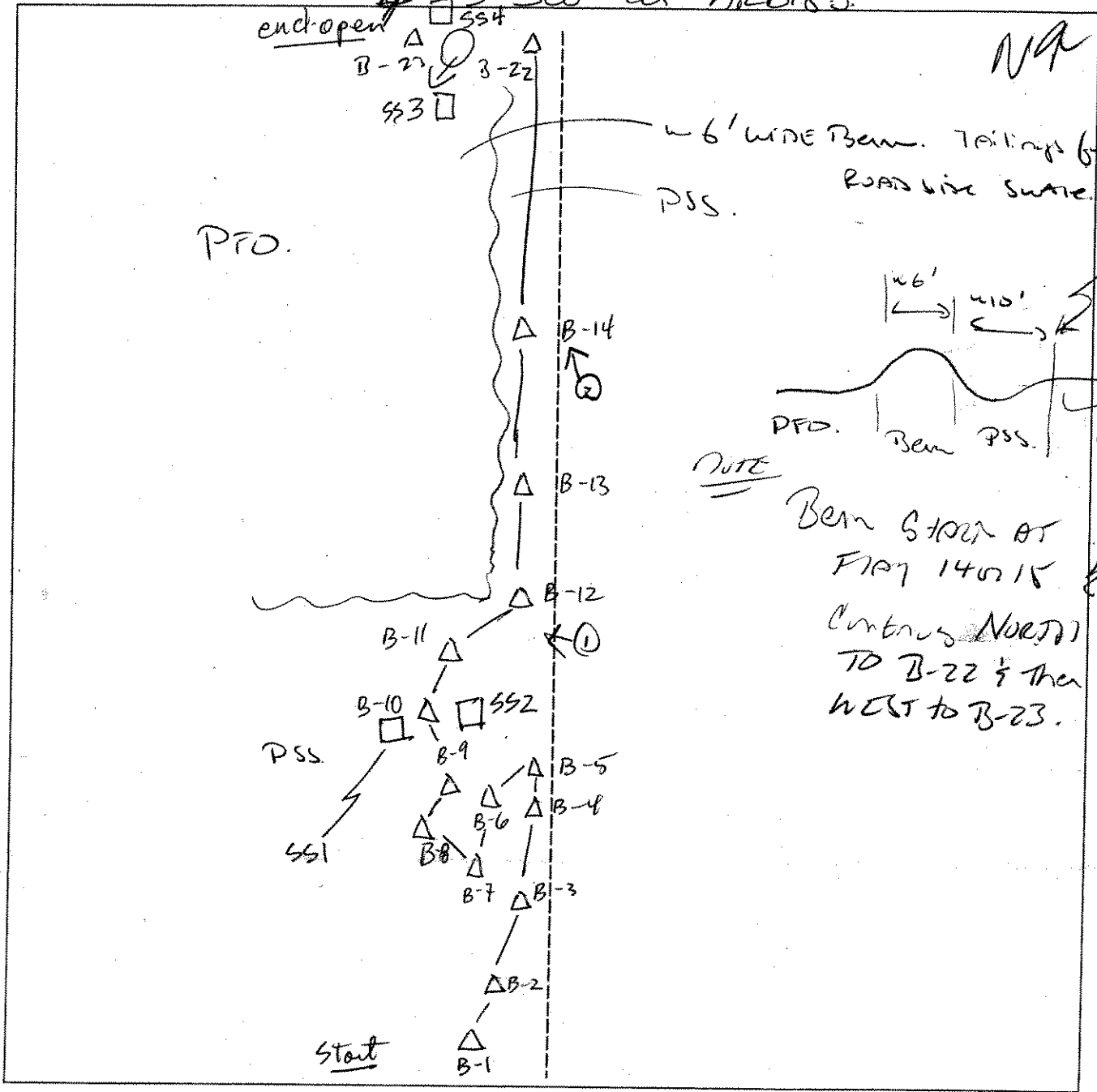
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: AR618 B	Date: 05-08-06	Time: 9:10 a.
Initials of Delineators: <del>AR618</del> RD-RJ	Location: Nick Cole's property	
Roll #:	Frames: photo 1 → WEST → AR618 B " 2 → NORTHWEST → AR618 B SW at AR618 B.	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>B.T., R.J.</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>AR618C</u> Transect ID: <u>Wetlands</u> Plot ID: <u>AR618C-SS1</u>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>70%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Meadow Sweet	S	FACW	9. Sens. Five fern	H	FACW
2. Steeple Bush	S	FACW	10.		
3. Silky willow	S	OBL	11.		
4. Nanny berry	S	FAC	12.		
5. Service berry	S	FAC	13.		
6. Gray birch	S	FAC	14.		
7. T. g. s. s.	H	FACW+	15.		
8. Reed Canary grass	H	FACW+	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5/7/06  
 Community ID: wetland  
 Plot ID: AL618C-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 7/1			Silt loamy / organic
3-9	B <sub>1</sub>	10YR 5/1	7.5YR 5/8	com med / prom	CLAY
9-18	B <sub>2</sub>	10YR 5/1	7.5YR 5/8	med / coarse / prom	CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: \_\_\_\_\_

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>RTD, RT</u>	Date: <u>5/10/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPLANDS</u> Transect ID: <u>AR618C</u> Plot ID: <u>SS2</u>

**VEGETATION** EARLY SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>20%</u> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MEADOW SWEET</u>	<u>S</u>	<u>FACW</u>	9. <u>White clover</u>	<u>H</u>	<u>FACU-</u>
2. <u>VELVET (COW)</u>	<u>H</u>	<u>UPL</u>	10. <u>Yarrow</u>	<u>H</u>	<u>FACU</u>
3. <u>Grass sp</u>	<u>H</u>	<u>-</u>	11. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>
4. <u>STRAWBERRY</u>	<u>H</u>	<u>UPL</u>	12. <u>Serviceberry (seedling)</u>	<u>H</u>	<u>FAC</u>
5. <u>Solidago sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>BRAMBLES</u>	<u>S</u>	<u>-</u>	14.		
7. <u>Q Aspen</u>	<u>S</u>	<u>FACU</u>	15.		
8. <u>Common mullen</u>	<u>H</u>	<u>UPL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>20%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/A</u> Depth to Free Standing Water in Pit (in.): <u>n/A</u> Depth to Saturated Soil (in.): <u>n/A</u>	
Remarks: <p align="center" style="font-size: 1.2em;"><u>Photo ⇒ E AT AR618C</u></p>	

Date: 5/7/06  
 Community ID: UPLAND  
 Plot ID: AR618C-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			COAM
12-18	B	10YR 4/7	7.5YR 4/6	com/fine/dist	Silty clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

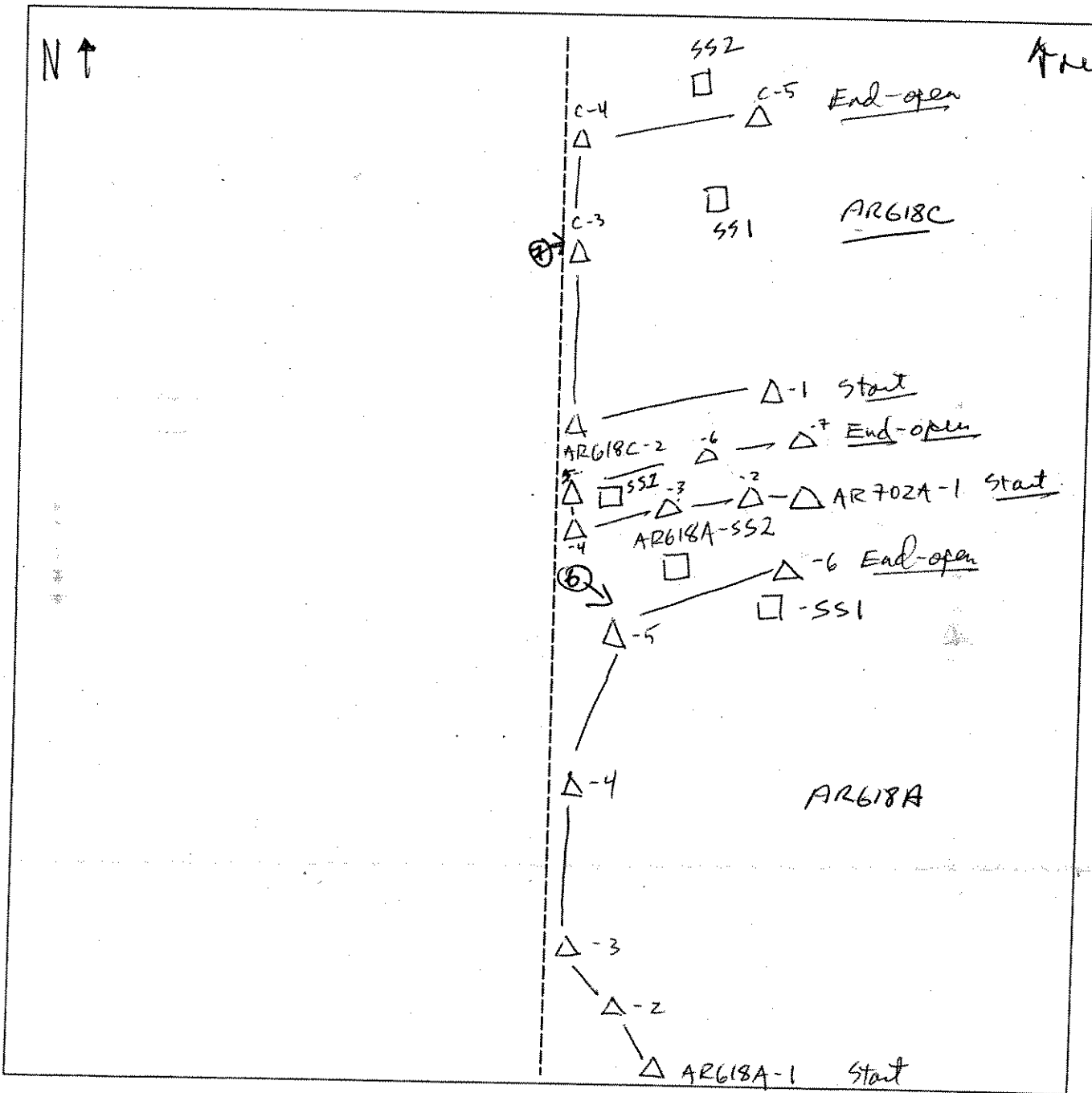
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No <input type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: AR618	Date: 05/07/06	Time: 6:03 P.
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: Photos $\Rightarrow$ SE AT AR618C Photos $\Rightarrow$ E AT AR618C	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Red line

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>RTD RT</u>	Date: <u>5/8/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WERAN1</u> Transect ID: <u>AR619A</u> Plot ID: <u>SS1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>50%</u> Herb: <u>70%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>	9. <u>Water/penny Clem</u>	<u>H</u>	<u>-</u>
2. <u>Green Birch</u>	<u>T/S</u>	<u>FAC</u>	10. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>
3. <u>Prunella Sweet</u>	<u>S</u>	<u>FACW</u>	11. <u>Black willow</u>	<u>S</u>	<u>FACW</u>
4. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Red Currant stem</u>	<u>H</u>	<u>FACW+</u>	13.		
6. <u>Cowslip</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Green Arque</u>	<u>H</u>	<u>OBL</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/8/06  
 Community ID: WETLAND  
 Plot ID: AR619A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR 2/1	—	—	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Revised to Aquic AT 8'					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: Associated w/ AR619-ST			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MORRIS River</u> Applicant/Owner: <u>MORRIS River, LLC</u> Investigator: <u>BD, BT</u>	Date: <u>5/8/06</u> County: <u>Cinta</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AL69A</u> Plot ID: <u>552</u>

**VEGETATION** Upland Forest - Decid.

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>60%</u> Herb: <u>65%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>American Alder</u>	<u>T</u>	<u>FACU</u>	9. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>
2. <u>White Alder</u>	<u>S</u>	<u>FAC</u>	10. <u>Wet Sphagnum</u>	<u>H</u>	<u>FACW+</u>
3. <u>Spiny holly</u>	<u>S</u>	<u>FAC</u>	11. <u>Wet Sphagnum</u>	<u>H</u>	<u>FAC</u>
4. <u>Service berry</u>	<u>S/H</u>	<u>FAC</u>	12.		
5. <u>Tart holly</u>	<u>S/H</u>	<u>UPL*</u>	13.		
6. <u>Highbush blackberry</u>	<u>S/H</u>	<u>UPL</u>	14.		
7. <u>Opopanax</u>	<u>T/S</u>	<u>FACU</u>	15.		
8. <u>Sweet birch</u>	<u>T/S</u>	<u>FAC</u>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks: <u>*Not listed; presumed to be UPL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 5/8/06  
 Community ID: Upland  
 Plot ID:

AR619A-SSQ

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR/7/1	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal of Auger at 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

*Handwritten scribbles*

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>MARBLE RIVER</i> Applicant/Owner: <i>MARBLE RIVER, LLC</i> Investigator: <i>RTA, RT</i>	Date: <i>5/8/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>Wetlands</i> Transect ID: <i>AR6193</i> Plot ID: <i>SS1</i>

**VEGETATION** *PSS*

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Herb:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Speckled Alder</i>	<i>S</i>	<i>FACW+</i>	9.		
2. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Sawtoothed</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Highbush Blackberry</i>	<i>S</i>	<i>UPL</i>	12.		
5. <i>Hudsonian Sweet</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	14.		
7. <i>Orchard Sp</i>	<i>H</i>	<i>-</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *80%*

Remarks: *Ifferus & S. Fern observed in other portions of wetlands.*  
*Not listed, presumed UPL*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4"</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 518106  
 Community ID: AR619D -  
 Plot ID: SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18"	A	10YR 3/1	—	—	Silty Clay → Clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks: Association w/ STREAM  
 AR619-ST

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>RTD, RT</u>	Date: <u>3/8/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>UPI1113</u> Transect ID: <u>AR619Z</u> Plot ID: <u>552</u>

**VEGETATION** Conifer Plantation

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>25%</u> Herb: <u>100%</u> Vine: <u>0</u>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>BRACKEN</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>9. <u>WATERCUP</u></td> <td><u>H</u></td> <td><u>FAC</u></td> </tr> <tr> <td>2. <u>SPERMATOPHYTES</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>10. <u>CRAMA GULDERIA</u></td> <td><u>H</u></td> <td><u>FACU</u></td> </tr> <tr> <td>3. <u>SERVICE BERRY</u></td> <td><u>S/H</u></td> <td><u>FAC</u></td> <td>11. <u>HICKORY</u></td> <td><u>H</u></td> <td><u>UPL</u></td> </tr> <tr> <td>4. <u>NANKEEN BERRY</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>12. <u>WHITE CLOVER</u></td> <td><u>H</u></td> <td><u>FACU</u></td> </tr> <tr> <td>5. <u>MEADOW SWEET</u></td> <td><u>S</u></td> <td><u>FACW</u></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6. <u>GRASS SP</u></td> <td><u>H</u></td> <td><u>-</u></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7. <u>STRAWBERRY</u></td> <td><u>H</u></td> <td><u>UPL</u></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8. <u>GRASS SP</u></td> <td><u>H</u></td> <td><u>-</u></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <u>BRACKEN</u>	<u>S</u>	<u>FAC</u>	9. <u>WATERCUP</u>	<u>H</u>	<u>FAC</u>	2. <u>SPERMATOPHYTES</u>	<u>S</u>	<u>FAC</u>	10. <u>CRAMA GULDERIA</u>	<u>H</u>	<u>FACU</u>	3. <u>SERVICE BERRY</u>	<u>S/H</u>	<u>FAC</u>	11. <u>HICKORY</u>	<u>H</u>	<u>UPL</u>	4. <u>NANKEEN BERRY</u>	<u>S</u>	<u>FAC</u>	12. <u>WHITE CLOVER</u>	<u>H</u>	<u>FACU</u>	5. <u>MEADOW SWEET</u>	<u>S</u>	<u>FACW</u>	13.			6. <u>GRASS SP</u>	<u>H</u>	<u>-</u>	14.			7. <u>STRAWBERRY</u>	<u>H</u>	<u>UPL</u>	15.			8. <u>GRASS SP</u>	<u>H</u>	<u>-</u>	16.		
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8. <u>GRASS SP</u>	<u>H</u>	<u>-</u>	16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>																																																						
Remarks:																																																						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	
Remarks:	

Date: 5/8/06  
 Community ID: Upland  
 Plot ID: AL619B-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 4/3	—	—	Silty clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

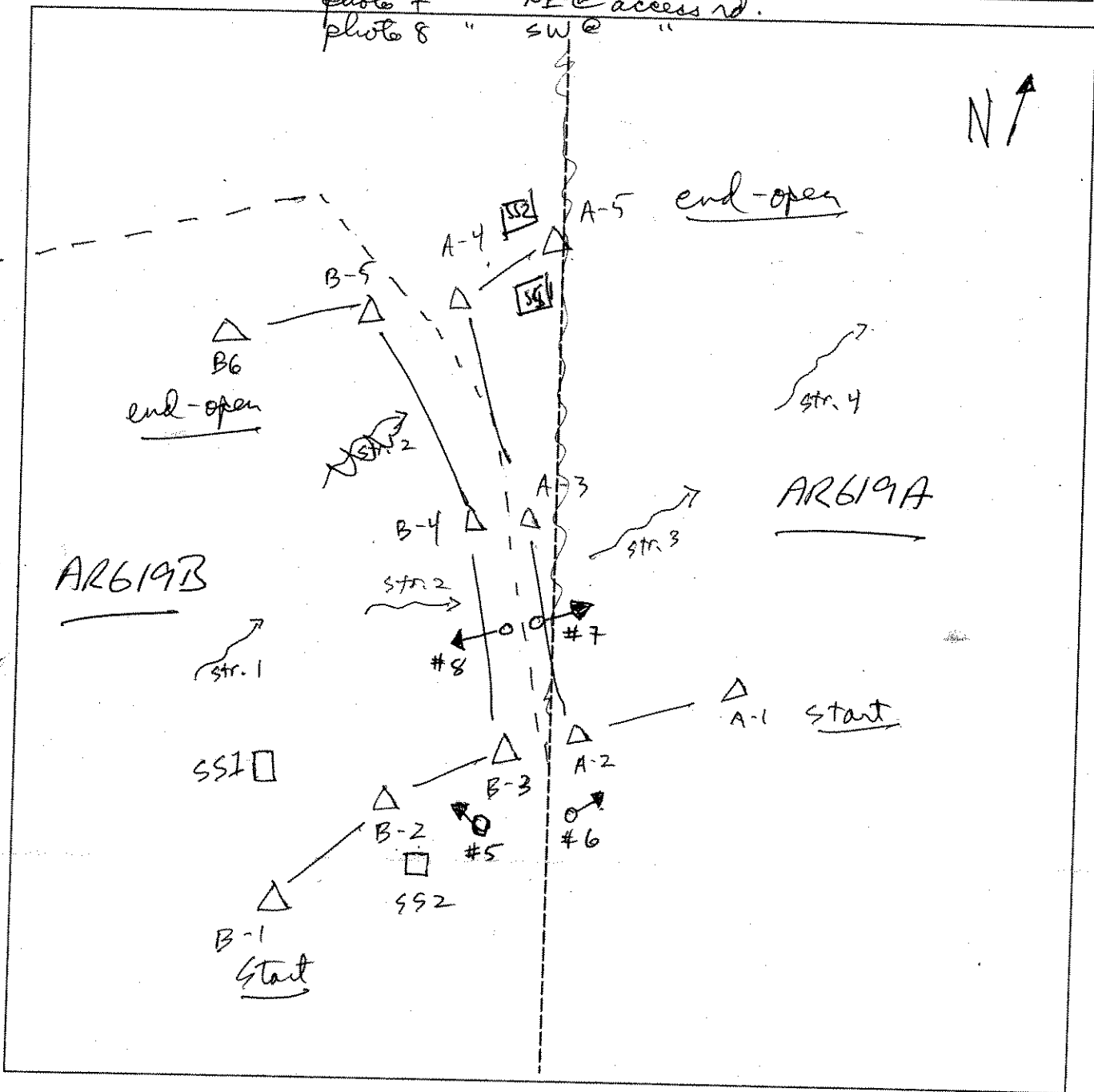
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks:

SKETCH FORM

Wetland ID/Route #: <b>AR619A/B</b>	Date: <b>5/8/06</b>	Time: <b>2:05</b>
Initials of Delineators: <b>RD-RJ</b>	Location: <b>ACCESS RD between T110ms 133 &amp; 132</b>	
Roll #:	Frames: <b>photo 5 facing NW @ AR619B</b> <b>photo 6 " NE @ AR619A</b> <b>photo 7 " NE @ access rd.</b> <b>photo 8 " SW @ " "</b>	



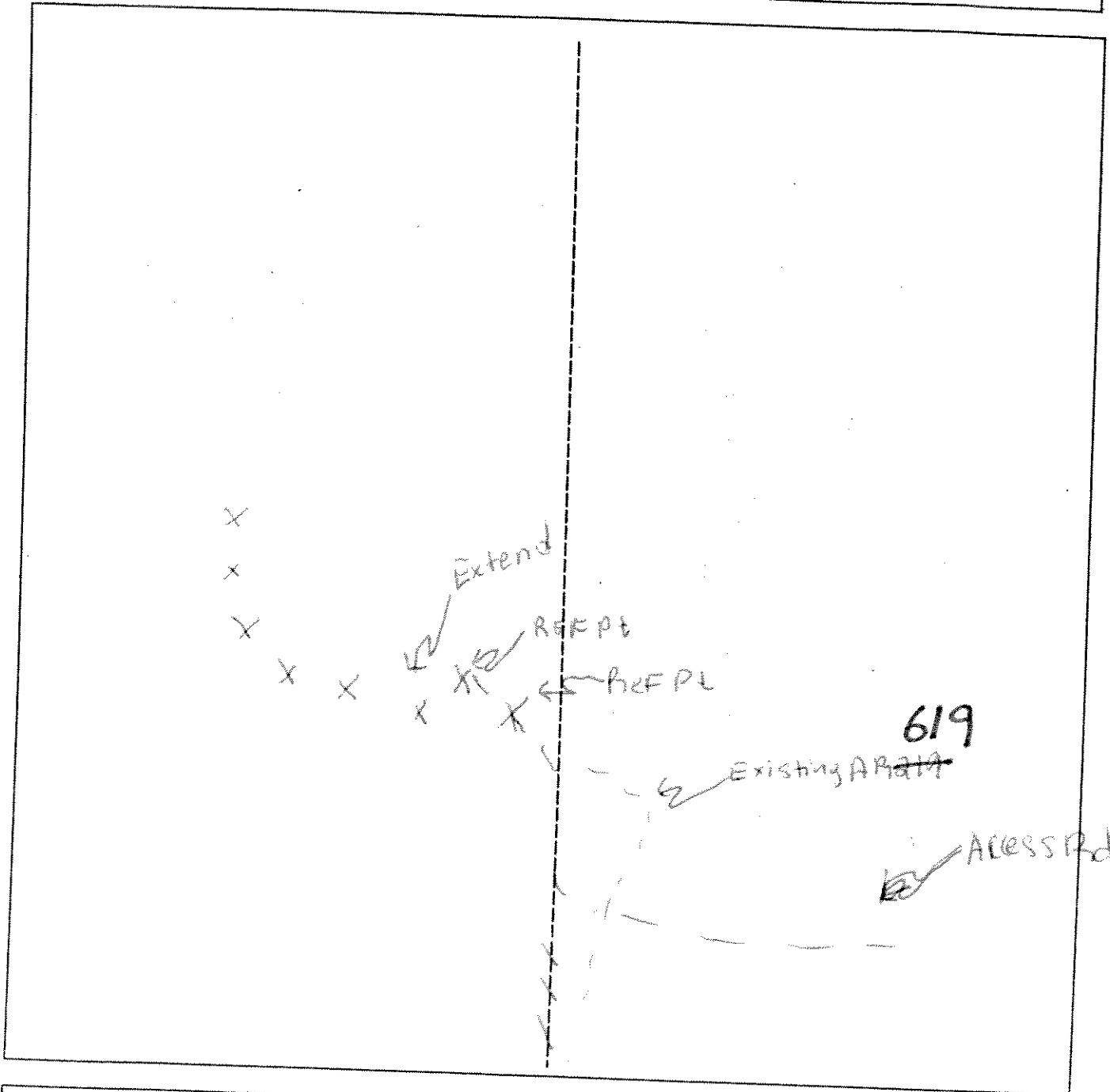
Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR 619A

AR 619

# LINE EXTENSION SKETCH FORM

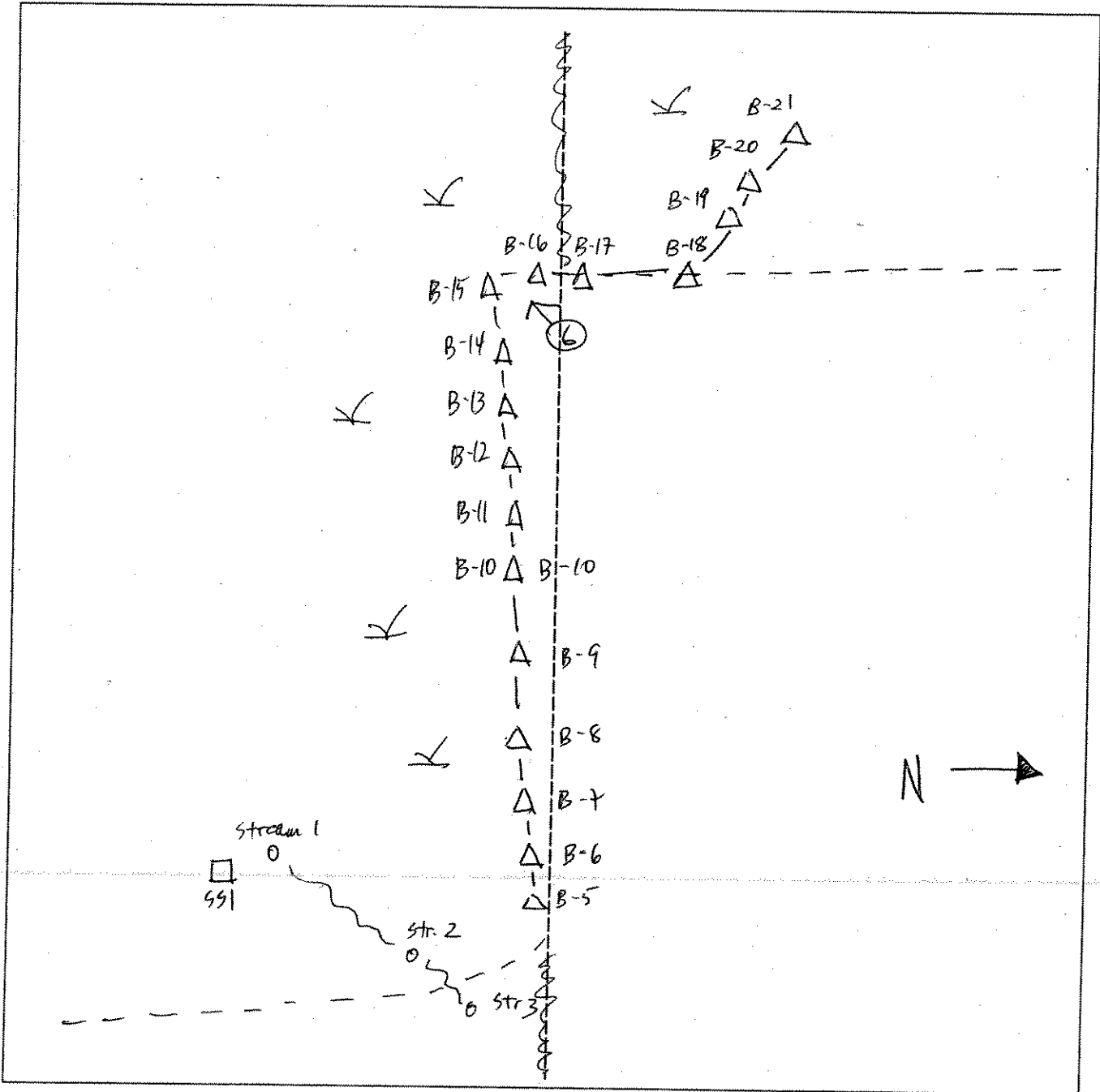
Wetland ID/Route #: <u>AR 219-B Extended</u>		Date: <u>10/11/00</u>	Time: <u>1700</u>
Initials of Delineators: <u>IB JV</u>		Location: <u>T. Around S of T. 132</u>	
Roll #:	Frames:		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <b>AR619B</b>	Date: <b>5/8/06</b>	Time: <b>6:55 P.</b>
Initials of Delineators: <b>RD-RJ</b>	Location:	
Roll #: <b>Photo 6</b>	Frames: <b>⇒ see at AR619B line extension</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <b>RD</b>	Date: <b>7-15-06</b> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>PFO/PEM</b> Transect ID: Plot ID: <b>AR622 A/B SSI</b>

**VEGETATION**

Plant Community Classification: <b>PFO/PEM</b>					
Percent Canopy Cover: Tree: <b>5</b> Shrub: <b>15</b> Herb: <b>90</b> Vine: <b>0</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abrus balsamea</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	S	FAC	10.		
3. <i>Carex scoparia</i>	H	FACW	11.		
4. <i>Carex intumescens</i>	H	FACW	12.		
5. <i>Juncus effusus</i>	H	FACW+	13.		
6. <i>A. rubrum</i>	S	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Cattails in group along AR.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks: <i>Drains from upland area across access road into adjacent "B" line.</i>

Date: 7-15-06  
 Community ID: AFO/PEM  
 Plot ID: AR622A/B SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1	-	-	Clay loam
12-18	B	10YR 2/2	-	-	Clay loam
Hydro Soil Indicators <i>None</i>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <b>RO</b>	Date: <b>7-15-06</b> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>Upland</b> Transect ID: Plot ID: <b>AR622A/B SSA</b>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <b>70</b> Shrub: <b>90</b> Herb: <b>40</b> Vine: <b>0</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. rubrum</i>	T	FAC	9.		
2. <i>A. balsamea</i>	T	FAC	10.		
3. <i>Rubus Alleghenensis</i>	S	FACU-	11.		
4. <i>R. Alleghenensis</i>	H	FACU-	12.		
5. <i>Maianthemum canadense</i>	H	FAC-	13.		
6. <i>A. rubrum</i>	H	FAC	14.		
7. <i>P. pennsylvanicum</i>	S	FACU-	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-15-06  
 Community ID: Upland  
 Plot ID: AR622A 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	5YR 3/4			Clay silt loam
6-12	B	7.5YR 3/3			Clay silt loam
12-18+	Bw	10YR 5/6			Clay silt loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Wetland AR 623-661

D.G. A9

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BPR</i>	Date: <i>5/14/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>F40</i> Transect ID: Plot ID:

**VEGETATION**

→ AR 623 - A-Series - 551

Plant Community Classification:  
 Percent Canopy Cover: Tree: *20.5* Shrub: *3.0* Herb: *65.0* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grey Birch</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Wetland Sphagnum</i>	<i>Sphagnum</i>	<i>FAC</i>	10.		
3. <i>Summit Fern</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Associated Grass/Sedges</i>	<i>Herb</i>	<i>FACW</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100*

Remarks:  
*Associated Grass/Sedges Herb. due to seasonal conditions assumed FACW*

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other: <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>3"</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 5/14/06  
 Community ID: PFD  
 Plot ID:

P2 623-A-Survey 881 D.6 A9

**SOILS**

Map Unit Name (Series and Phase): N/A  Taxonomy (SubGroup): N/A	Drainage Class: PD  Field Observations Confirm Mapped Type? Yes No
--	---

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10Y2.3/1	None	None	FSL
6-16"	Bw1	2.5Y5/2	10Y2.4/6	com/mud/Dist.	S.L

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	No	

Remarks: well defined boundary

Upland

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

A12 623-802  
V.O. A Greeny AG

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BRZ</i>	Date: <i>5/14/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>PRD</i> Transect ID: Plot ID: <i>DR 623-D-Scrub-852</i>

VEGETATION

Plant Community Classification:  
Percent Canopy Cover: Tree: *63.0* <sup>Scrub</sup> Shrub: *38.0* Herb: *20.5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACU</i>	9.		
2. <i>Alder</i>	<i>Tree</i>	<i>FACU</i>	10.		
3. <i>Grey Birch</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Bitter Cherry</i>	<i>Shrub</i>	<i>FACU</i>	12.		
5. <i>Ash</i>	<i>Shrub</i>	<i>FACU</i>	13.		
6. <i>Sugar Maple</i>	<i>Herb</i>	<i>FACU</i>	14.		
7. <i>Maple</i>	<i>Herb</i>	<i>FACU</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *1/7 = 14*

Remarks:

HYDROLOGY

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: <i>none</i></p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>none</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>&gt; 16"</i></p> <p>Depth to Saturated Soil (in.): <i>&gt; 16"</i></p>	
Remarks:	



Date: 5/14/06  
 Community ID: 7FD  
 Plot ID:

02 623-A Sued SS2 U.G. 77

**SOILS**

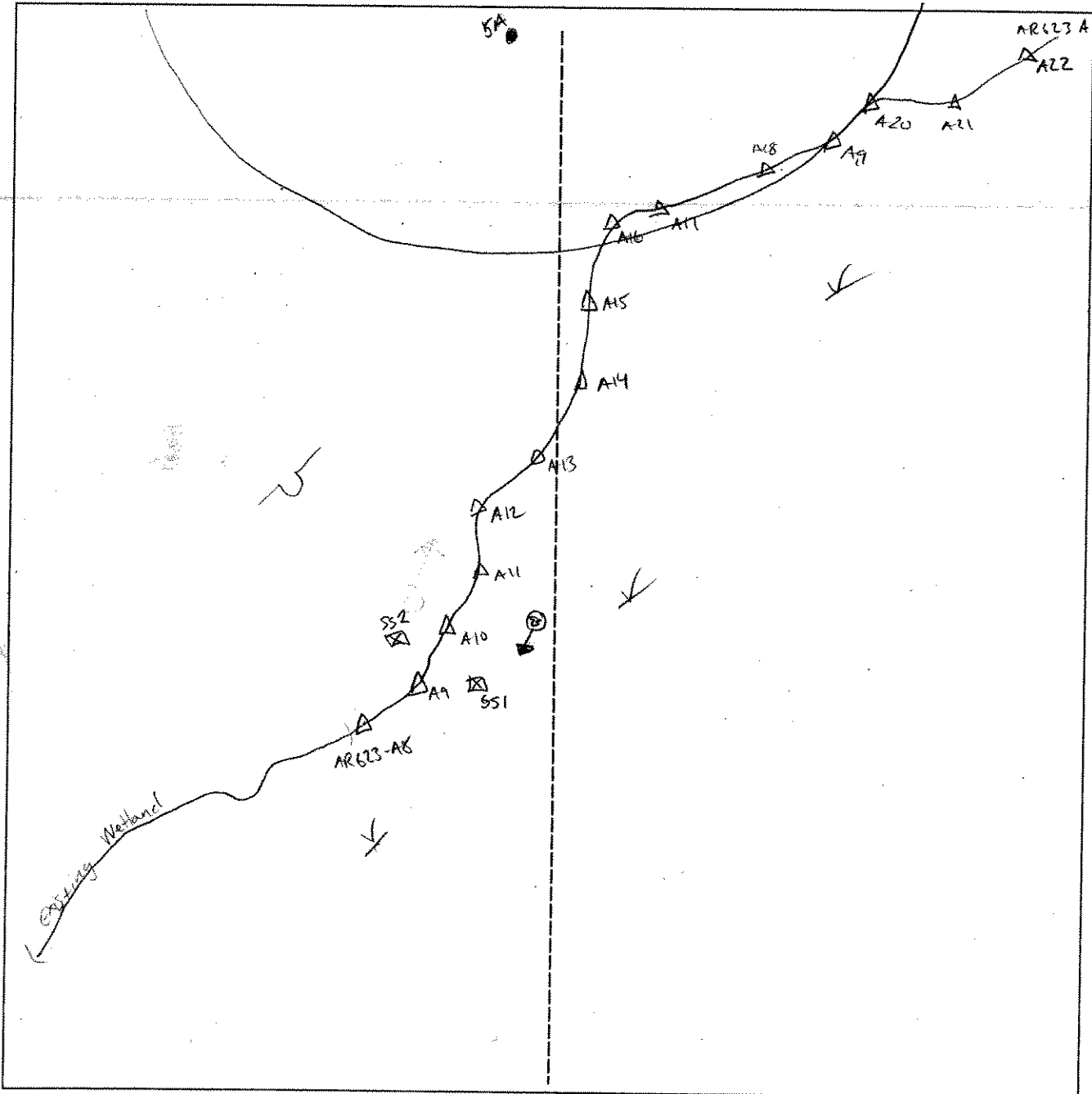
Map Unit Name (Series and Phase): <i>n/p</i>		Drainage Class: <i>mud</i>			
Taxonomy (SubGroup): <i>n/p</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-3</i>	<i>bp</i>	<i>10YR 3/2</i>	<i>none</i>	<i>none</i>	<i>FGC</i>
<i>3-16</i>	<i>bw</i>	<i>10YR 3/6</i>	<i>none</i>	<i>none</i>	<i>FGC</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/> No	
Remarks: <i>well defined boundary</i>			

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR623 A line	<b>Date:</b> 5-13-06 5-14-06
<b>Initials of Delineators:</b> BR DO	<b>Location:</b> Marble River
<b>Roll #:</b> <b>Frames:</b> 93: Looking SW inside AR623	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ, AMS</u>	Date: <u>12/7/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PSS/PFO</u> Transect ID: Plot ID: <u>AR625-A/B-SS</u>

**VEGETATION**

Plant Community Classification: PSS/PFO on edge  
Percent Canopy Cover: Tree: Shrub: Herb: Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>rush sp.</u>	<u>H</u>	<u>-</u>
2. <u>B. alleghaniensis</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Salix sp</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Alnus</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Cornus (red stem)</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Cattail</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

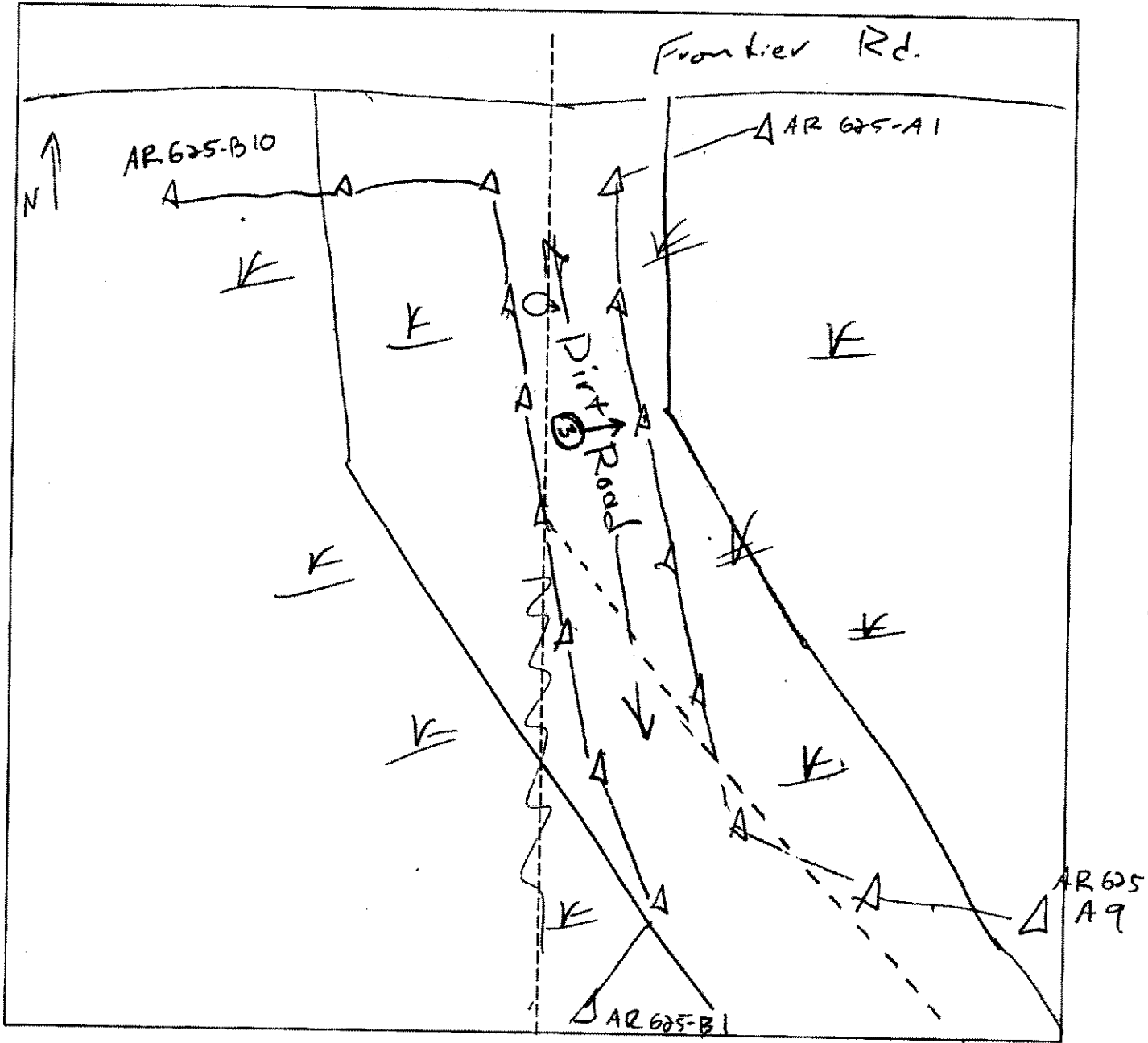
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <u>Not recorded</u>	



SKETCH FORM

Wetland ID/Route #: AR 625	Date: 12-7-05	Time:
Initials of Delineators: BQ	Location: Clinton NY	
Roll #: AMS	Frames: 3	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ AMS</u>	Date: <u>12/10/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>PFO</u> Transect ID: Plot ID: <u>AR630 N/B-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PFO</u>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>			9.		
2. <u>P. serotina</u>			10.		
3. <u>Populus</u>			11.		
4. <u>Uib. withrad</u>			12.		
5. <u>Cornus Red Osier</u>			13.		
6. <u>S. latifolia</u>			14.		
7. <u>B. pop</u>			15.		
8. <u>Bulbus sp</u>			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 12/10/05  
 Community ID: PFO  
 Plot ID:

AR 630 A/B SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: Spodozols observed ; No profile description

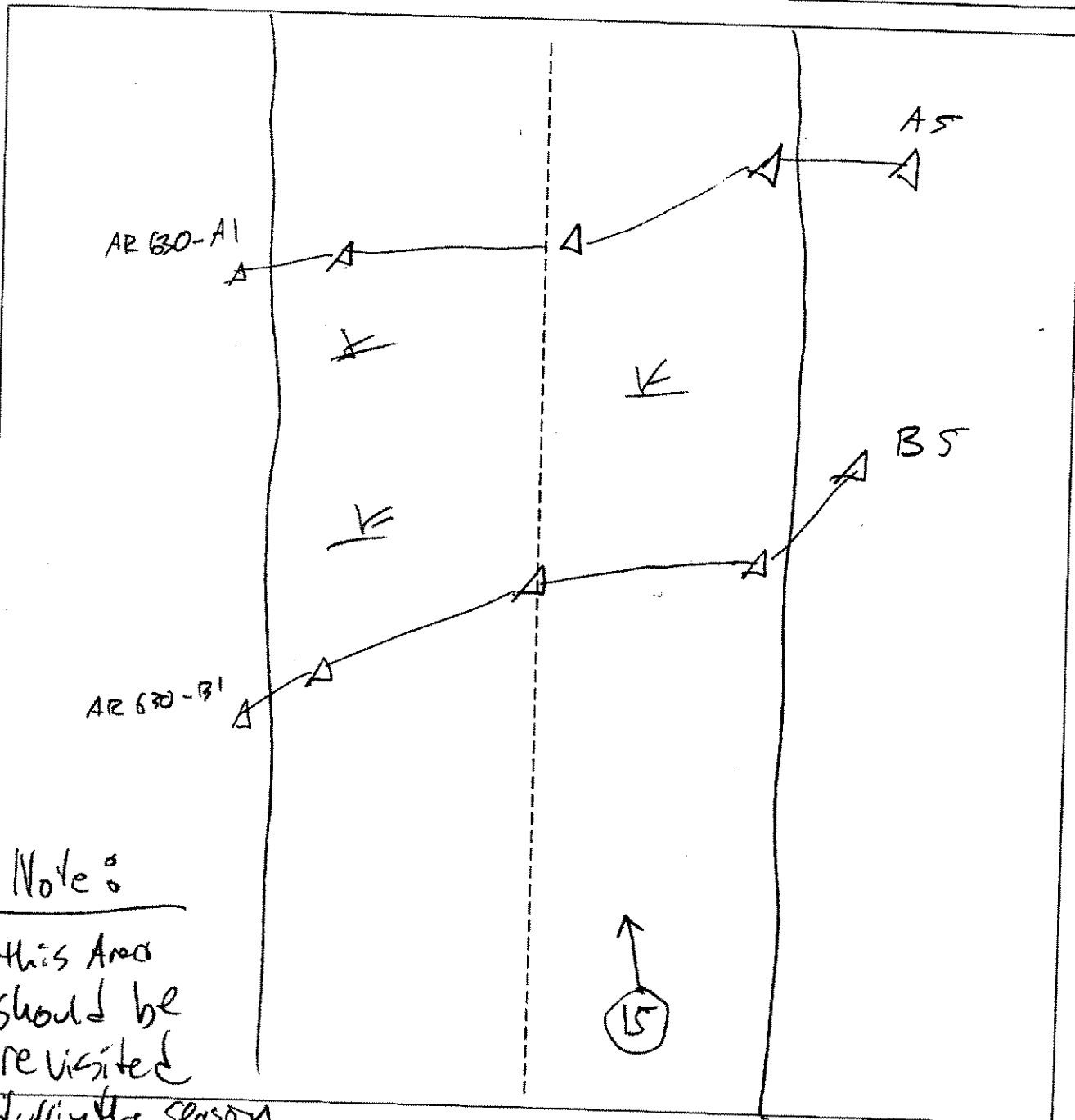
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: AR 630	Date: 12-8-05 Time:
Initials of Delineators: BQ	Location: Clinton NY
Roll #: AMS <small>collected</small>	Frames: 15



Notes

This Area should be revisited

during the season

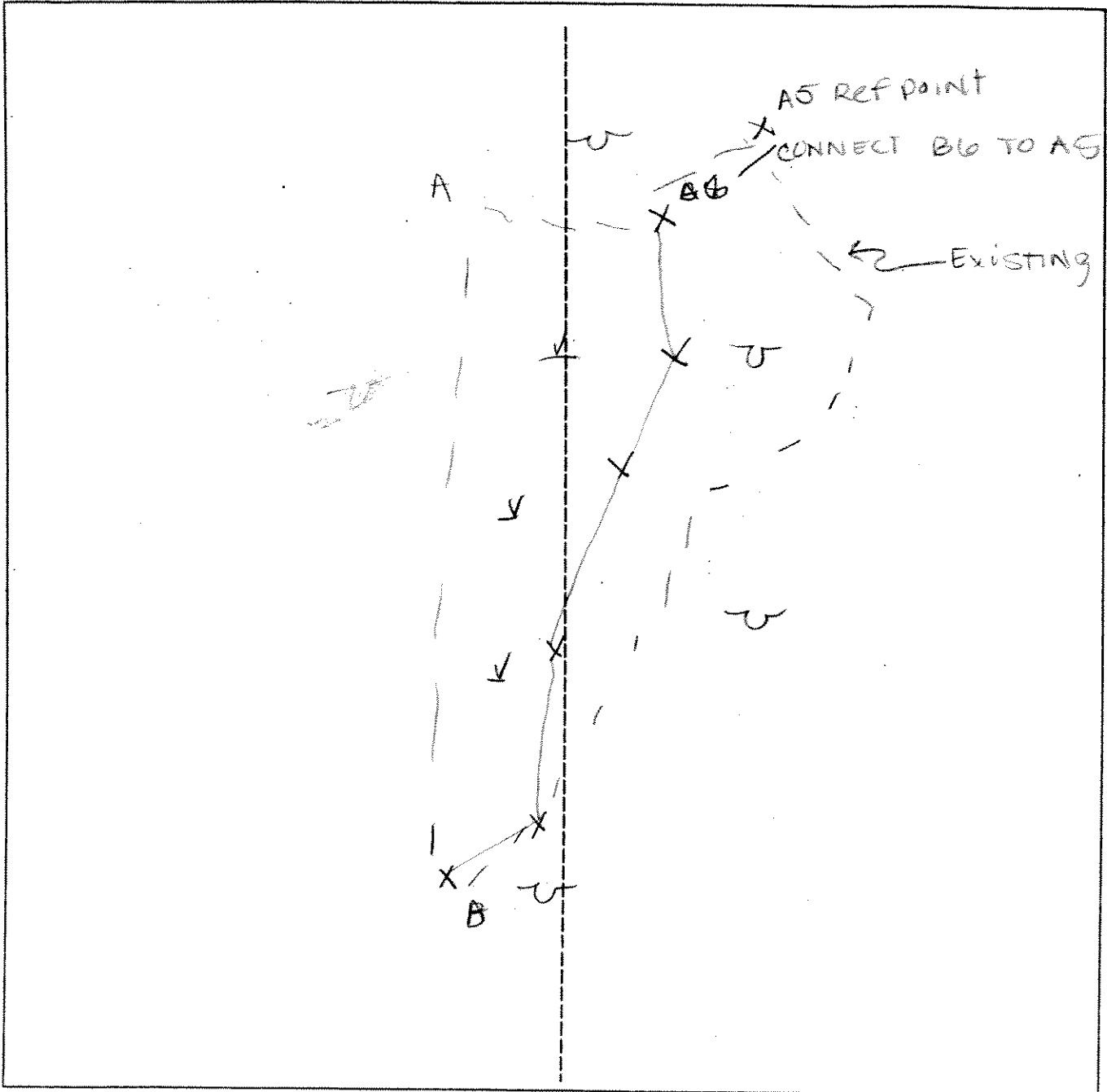
Legend

- Photo Location/Direction
- Sample Station
- Centerline
- Flag
- Wetland
- Upland
- Stream
- Intermittent Stream



### SKETCH FORM

<b>Wetland ID/Route #:</b> ARG 30 A/B	<b>Date:</b> 10/9/06	<b>Time:</b>
<b>Initials of Delineators:</b> IB JV	<b>Location:</b> T. 81 on AR	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 6 May 07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: AR630 AB Transect ID: Plot ID: PFO1

**VEGETATION**

Plant Community Classification: Red maple mesic					
Percent Canopy Cover: Tree: 60 Shrub: 40 Herb: 50 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Betula populifolia	T	FAC	10.		
3. Abies balsamea	S	FAC	11.		
4. Viburnum lentago	S	FAC	12.		
5. Erythronium americanum	H	FAC	13.		
6. Scirpus sp.	H	FACW*	14.		
7. Athyrium filix-femina	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: cannot id due to time of year					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spot 0 <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): < 1" in spots Depth to Free Standing Water in Pit (in.): 5" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/6/07  
 Community ID: PPT  
 Plot ID: AR630 AB S81

**SOILS**

Map Unit Name: AR630 AB  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			organics
2-10	A	10YR 2/1			site
6-10	B <sub>1</sub>	2.5Y 4/1			clay
10-14	B <sub>2</sub>	2.5Y 4/3			site loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

oxidized root channels in B. no prevalent mottling obs.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks:

(2) woodpecker tapping tree to S  
 (2) small white birds, blk throat  
 photo 1 = SW

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/6/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR630 AB 552

EXT

**VEGETATION**

Plant Community Classification: <u>Early Successional Woods</u>					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>35</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acerrubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Coptis gwelardica</u>	<u>H</u>	<u>FAC</u>
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Ailburnum lentago</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Athyrium Felix Femina</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Thalictrum canadensis</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Mitchella repens</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Moss sp</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/6/07  
 Community ID: UPL  
 Plot ID: AR6030 AB-SS2

**SOILS**

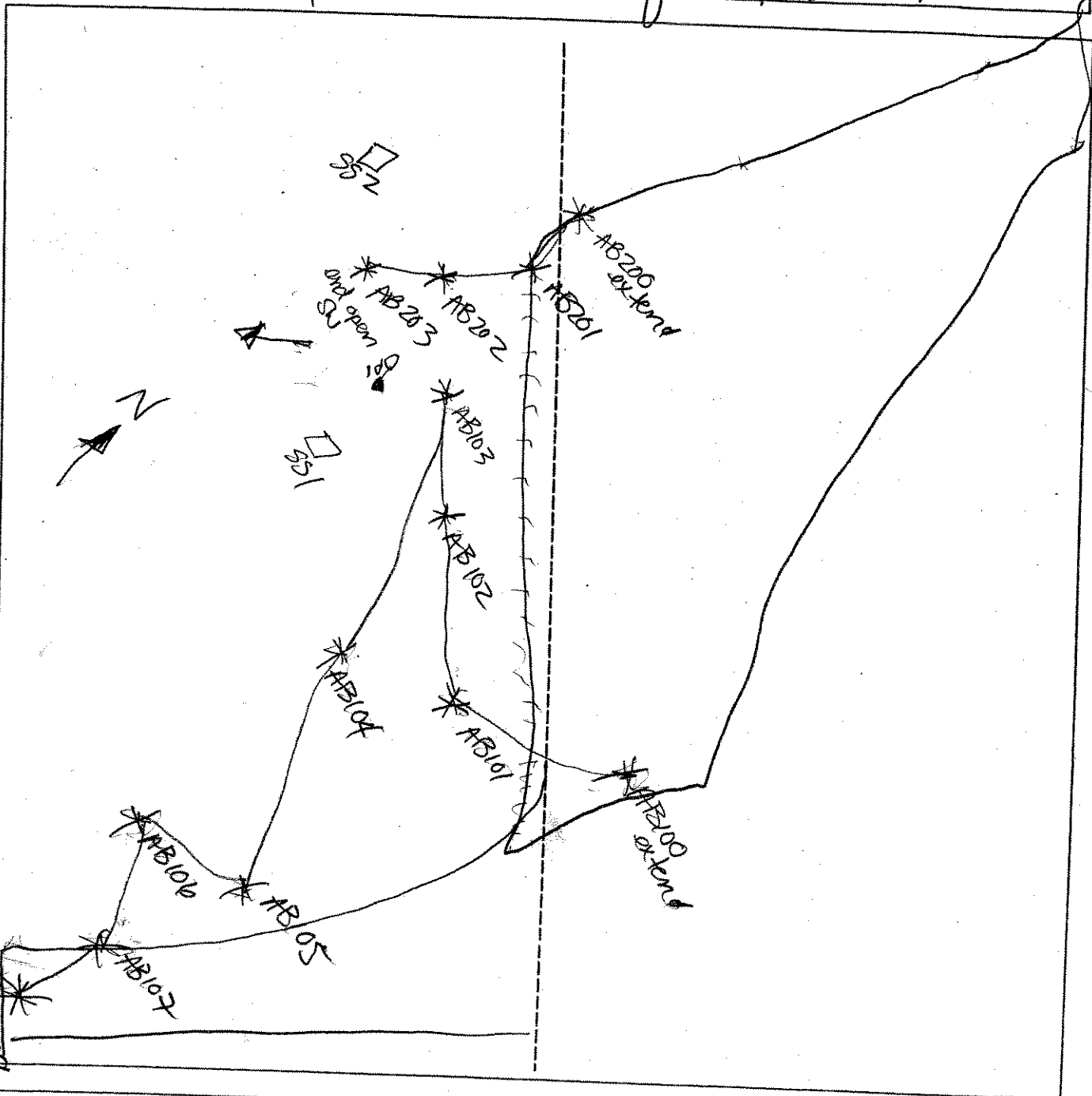
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			organics
2-5	A	7.5YR 2.5/1			silt loam
5-12	B	6.5YR 4/4	10YR 6/6	few, faint, 1/16"	loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: oxidized root channels in B					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Remarks: Upland slopes SE into WL. Definite change in plant species and hydrology. (Refer to AR603 AB SSI)	

SKETCH FORM

Wetland ID/Route #: AR 630 AB EXT		Date: 6 May 07	Time:
Initials of Delineators: JV & AD		Location: AR 630 AB	
Roll #:	Frames:	photo 1 by AB203 facing south	



**Legend**

Pl O	Photo Location/Direction	K	Wetland
□	Sample Station	J	Upland
- - -	Centerline		Stream
▽	Flag	- . .	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <del>Tri-Lakes</del> <b>MARSH RIVER</b>	Date: <b>5-2-06</b>
Applicant/Owner: <del>New York Power Authority</del> <b>MARSH RIVER, LLC</b>	County: <del>Clinton</del> <b>Clinton</b>
Investigator: <b>JV KH NO RD</b>	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <b>WETLAND</b> Transect ID: Plot ID: <b>AR100A-SS1</b>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: <b>PSS</b>	Tree: <b>1%</b>	Shrub: <b>90%</b>	Herb: <b>95%</b>	Vine: <b>0</b>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>Red Osier</b>	<b>S</b>	<b>FACW+</b>	9.		
2. <b>Silly Willow</b>	<b>S</b>	<b>OBL</b>	10.		
3. <b>Speckled Alder</b>	<b>S</b>	<b>FACW+</b>	11.		
4. <b>Sensitive Fern</b>	<b>H</b>	<b>FACW</b>	12.		
5. <b>Lurid Sedge</b>	<b>H</b>	<b>OBL</b>	13.		
6. <b>Meadow Sweet</b>	<b>S</b>	<b>FACW+</b>	14.		
7. <b>Grey Birch</b>	<b>T</b>	<b>FAC</b>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>100%</b>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <b>2-4"</b> Depth to Free Standing Water in Pit (in.): <b>0</b> Depth to Saturated Soil (in.): <b>0</b>	
Remarks:  <b>DEC Wetland</b>	

Date: 5-2-06  
 Community ID: WERAN  
 Plot ID: AR 700A-SS1

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-2/1	—	—	Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

refusal @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Photo 1



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: T <u>AS MARLIE RIVER</u> Applicant/Owner: Ne. <u>MARLIE RIVER LLC</u> Investigator: <u>JV KH UU RH</u>	Date: <u>5-2-06</u> County: <del>Warren</del> <u>Clinton</u> State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLand</u> Transect ID: Plot ID: <u>AR 700A SS-2</u>

**VEGETATION**

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>10%</u> Herb: <u>95%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Milkweed	H	UPL	9.		
2. Burdock - giant	H	UPL	10.		
3. Grass sp.	H	<del>UPL</del>	11.		
4. Solidago sp.	H	—	12.		
5. Brambles sp.	S	—	13.		
6. Galium sp.	H	<del>OBL</del>	14.		
7. Dandelion	H	UPL	15.		
8. Grey Birch	T	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks:  <u>Grass is Poa sp.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <b>Drainage Patterns In Wetlands</b> <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>n/A</u> Depth to Saturated Soil (in.): <u>n/A</u>	Remarks:

Date: 5-2-06  
 Community ID: CPLM1  
 Plot ID: AH 700A S52

**SOILS**

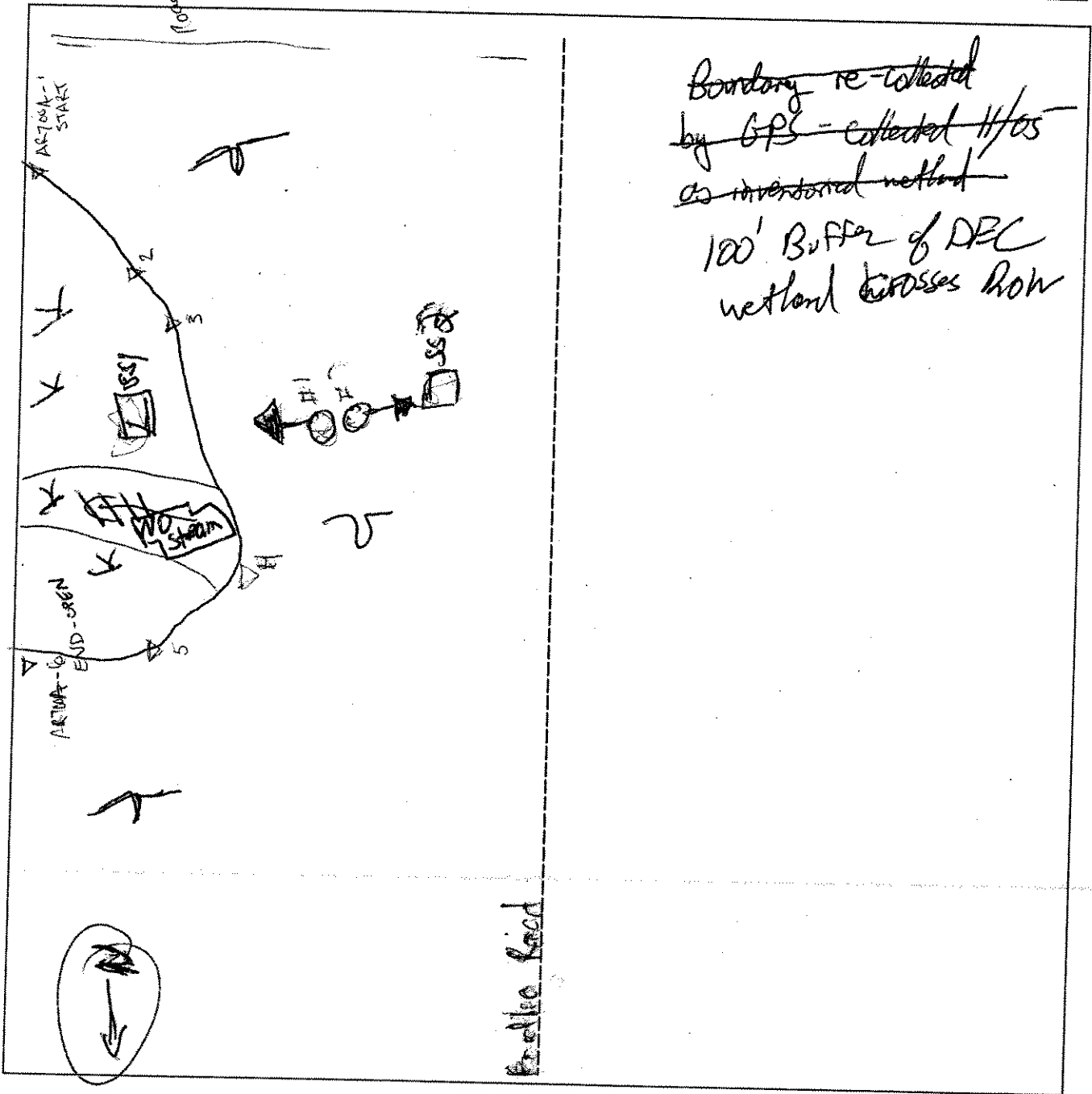
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10.5R 2/1			Loam
6-10	B	7.5YR 4/4			Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:  refusal @ 10"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks  Photo 2			

SKETCH FORM

Wetland ID/Route #: <i>APN 700A</i>		Date: <i>5/2/06</i>	Time:
Initials of Delineators: <i>KH, RD, JV</i>		Location: <i>Marble River - Bortley Rd</i>	
Roll #: <i>KH</i>	Frames: <i>1, 2</i>		



~~Boundary re-collected~~  
~~by GPS - collected H/05~~  
~~as inventoried method~~  
 100' Buffer of DEC  
 wetland crosses now

Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

RR700A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: PSS Transect ID: Plot ID: RR700A - SSI AB599A	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 0 Shrub: 90 Herb: 05 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Airous rugosa</i>	S	FACW	9.		
2. <i>SALIX</i>	S	FACW	10.		
3. <i>Spirea latifolia</i>	S	FACW	11.		
4. <i>Rhus glabra</i>	H		12.		
5. <i>Solidago sp</i>	H		13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: cannot I.d due to time of year.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 2+'' Depth to Free Standing Water in Pit (in.): 4'' Depth to Saturated Soil (in.): 8''	
Remarks:	

Date:  
 Community ID:  
 Plot ID: 881

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			Silt
2-16	A	10YR 2/1			loamy sand

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: saturation @ 0", standing H<sub>2</sub>O impct @ 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: <sup>photo 3</sup> AR 700 = E  
 photo 4 599 = NE

DEC WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: <u>ART00A</u> EXT Plot ID: <u>ARE99A</u> SSA

**VEGETATION**

Plant Community Classification: <u>Roadside</u>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>95</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Galium</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Juniperum</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Solidago sp</u>	<u>H</u>	<u>---</u>	11.		
4. <u>grass sp</u>	<u>H</u>	<u>---</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&lt;50%</u>					
Remarks: <u>Cannot i.d due to season</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: AR 700A 552  
 Plot ID: AR 599A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 4/2			sand
3-15	B	10YR 4/3			sand

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                         | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                  | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                    | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions              | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors      | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: soils are comprised of sand and fill  
 >50% coarse fragments.

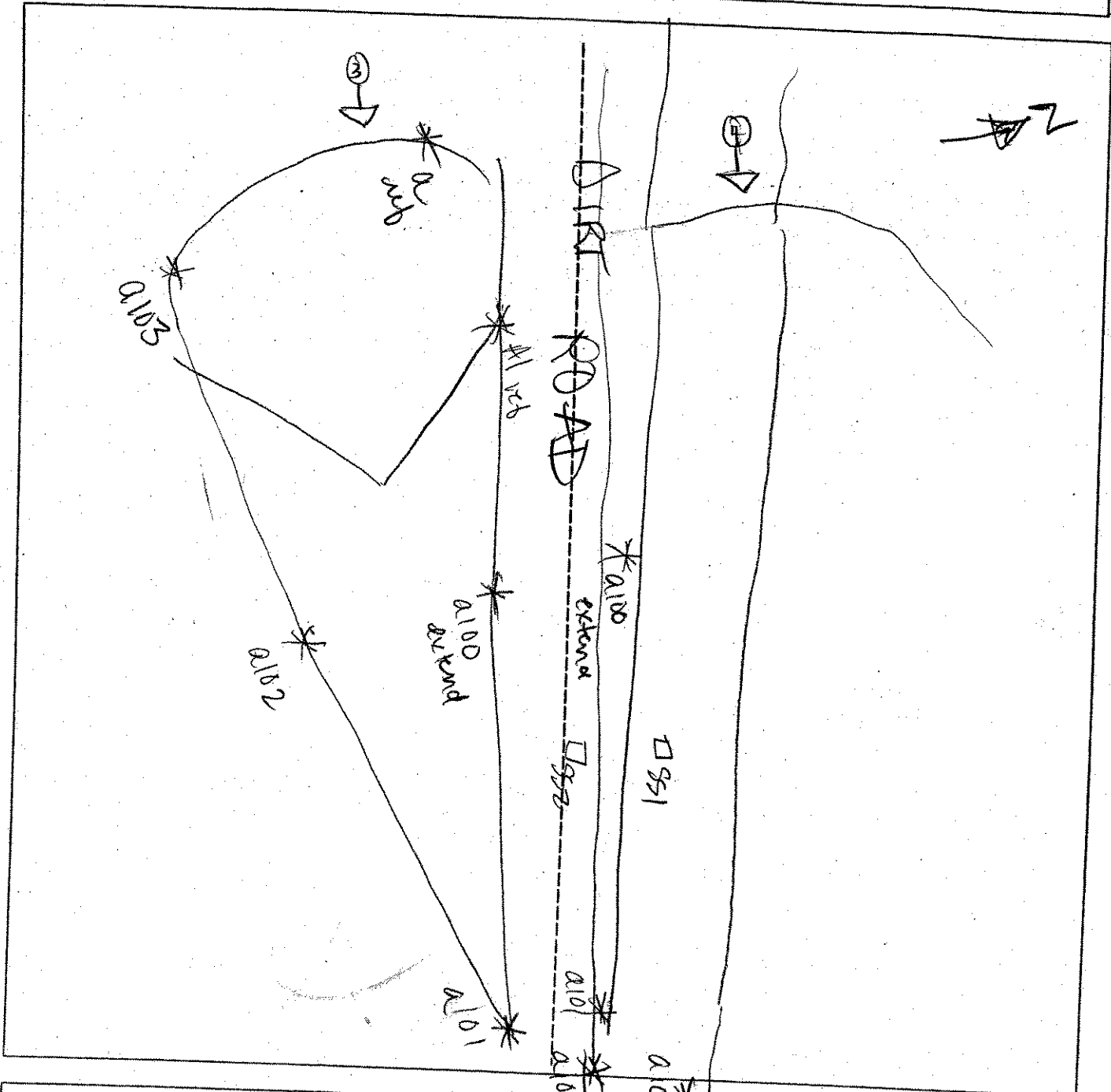
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <u>AR 700 A</u> <sup>EXT</sup> <u>AR 509 A</u>		Date: <u>5/9/07</u>	Time:
Initials of Delineators: <u>JV</u> <u>AP</u>		Location: <u>Clinton Mills Road</u>	
Roll #:	Frames:		



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>MARBLE River, LLC</u> Investigator: <u>JTD, JBT</u>	Date: <u>5/5/06</u> County: <u>Clyde</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetlands</u> Transect ID: <u>AR 701A/B</u> Plot ID: <u>SS1</u>

**VEGETATION**

PSS

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>40-90%</u> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SALIX</u>	<u>S</u>	<u>WET</u>	9.		
2. <u>metastachyoid</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>IRIS sp.</u>	<u>H</u>	<u>WET</u>	11.		
4. <u>Juncus sp.</u>	<u>H</u>	<u>WET/FAC</u>	12.		
5. <u>Scirpus sp.</u>	<u>S</u>	<u>FAC?</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: observed sensitive fern? sterile but in other parts of wetland.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0.15</u> Depth to Free Standing Water in Pit (in.): <u>1"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/5/06  
 Community ID: WETLANDS  
 Plot ID: AL701A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR4/2	10YR5/6	Com/Fine/High	Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					
- Oxidized Rhizospheres in upper 48" - mottling in lower 8-18"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: OLD FARM FIELD. w/ scattered silt sp. once part of field - non hydric soil & no evidence of hydrology. Central part of field (AL701A) saturated soils & low chroma soils w/ mottles.			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARISIE RIVER</u> Applicant/Owner: <u>MARISIE RIVER, LLC</u> Investigator: <u>RPD, RT</u>	Date: <u>5/5/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR701 A/B</u> Plot ID: <u>552</u>

**VEGETATION** EARLY SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>50%</u>	Herb: <u>100%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	9. <u>Hawk weed</u>	<u>H</u>	<u>UPL</u>
2. <u>Yarrow</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>Solidago sp</u>	<u>H</u>	<u>—</u>	11.		
4. <u>Bramble</u>	<u>S</u>	<u>UPL</u>	12.		
5. <u>Q ASPEN</u>	<u>S</u>	<u>FACU</u>	13.		
6. <u>BRAM SP</u>	<u>H</u>	<u>—</u>	14.		
7. <u>VA CUCKER</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>POACEAE</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>15%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/5/06  
 Community ID: UPLANDS  
 Plot ID: AL70A1B

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 4/3	—	—	Silt / clay

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

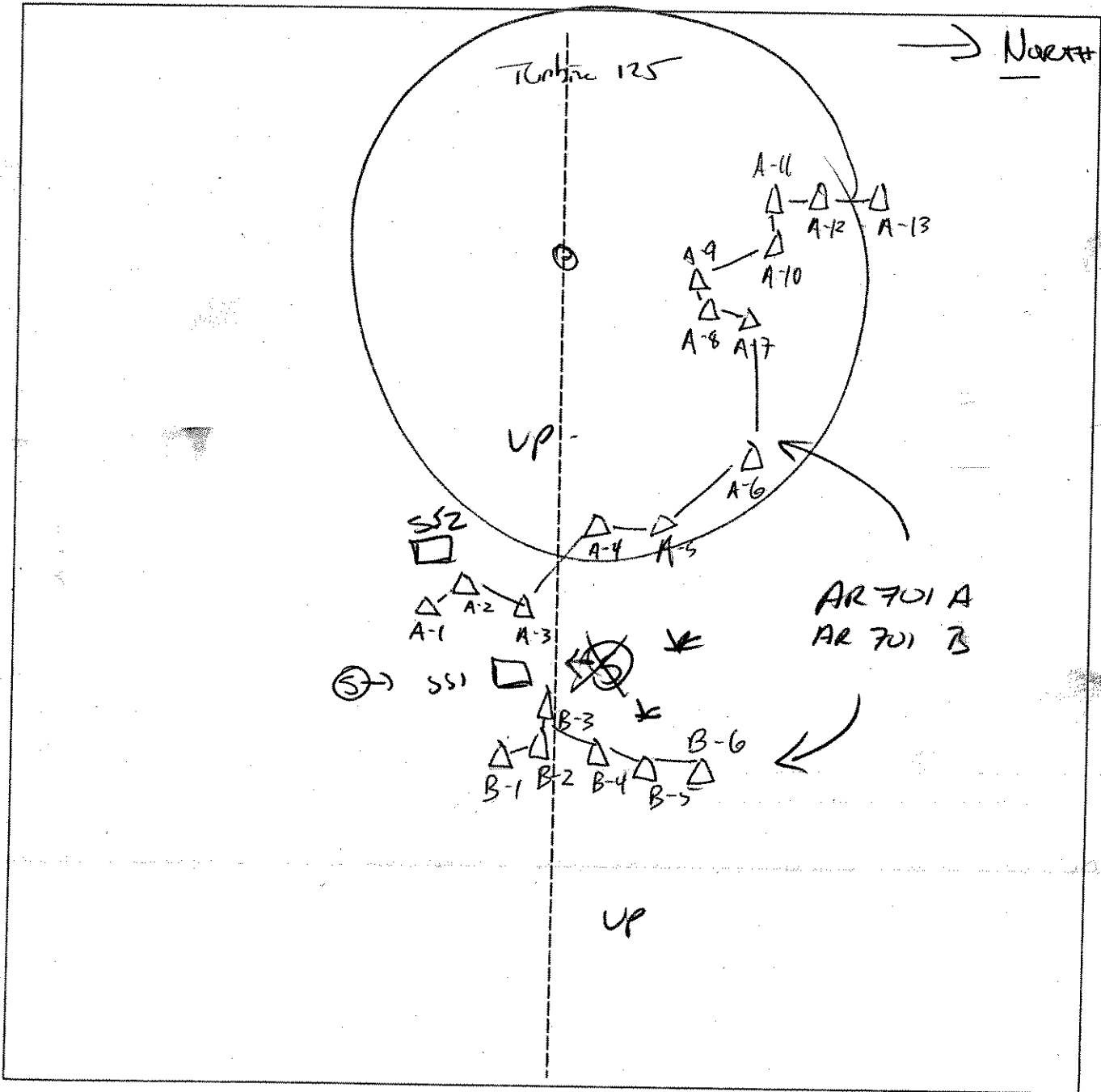
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes  No   
 Wetlands Hydrology Present? Yes  No   
 Hydric Soils Present? Yes  No  Is this Sample Station Point Within a Wetland? Yes  No

Remarks:

SKETCH FORM

Wetland ID/Route #: <i>Access Road between Turbine 125 &amp; 126</i>	Date: <i>5/5/06</i>	Time: <i>1600</i>
Initials of Delineators: <i>BJD. RT</i>	Location: <i>EAST of Turbine 125</i>	
Roll #:	Frames: <i>photo 5 → <del>8</del> at AR</i>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Date: 10 May 07  
 Community ID: ART01 A  
 Plot ID: SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-1	D	10YR 2/1			
1-12	A	10YR 5/4	10YR 3/6	distinct, many, md.	clay

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: saturation @ 6", ORC, no standing H<sub>2</sub>O on pit

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: photo 2 = N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR701-AB-SS2

EXTENSION

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 60 Shrub: 20 Herb: 45 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus tremuloides</i>	T	FACU	9.		
2. <i>Viburnum lentago</i>	S	FAC	10.		
3. <i>Spiraea latifolia</i>	S	FAC	11.		
4. <i>Fragaria</i>	H	FACU	12.		
5. <i>Aster</i> sp	H	—	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): < 50%.					
Remarks: Can not l.d. due to season					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/10/07  
 Community ID: UPL  
 Plot ID: AR 701 AB 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			
2-8	A	2.5Y 4/2			clay loam
8-14	B	10YR 5/6	5Y 6/2	common, distinct, ind.	clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: ORCs: organic streaking in B,

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/> No	
Hydric Soils Present?	Yes	<input type="radio"/> No	

Remarks





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV RJ</u>	Date: <u>5-1-00</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>AR702 A 351</u> Transect ID: <u>Wetland (PSS)</u> Plot ID:

**VEGETATION**

Plant Community Classification: <u>PSS</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>85</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Redstart Sweet</u>	<u>5</u>	<u>FACW+</u>			
2. <u>Silky willow</u>	<u>5</u>	<u>OBL</u>			
3. <u>Cat tail</u>	<u>4</u>	<u>OBL</u>			
4. <u>Grass sp</u>	<u>4</u>	<u>-</u>			
5.					
6.					
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-7-06  
 Community ID: Wetland PSS  
 Plot ID: AR702A SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>1</sub>	2.5Y-5/1			Sandy Clay
6-18	A <sub>2</sub>	2.5Y-4/1	10YR-4/6	many/coarse/faint	Sandy Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>RHSV RT</i>	Date: <i>5-7-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR702A-SS2</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					
* Shared upland point w/ AR618A SS2 See AR618A SS2 Data Sheet					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>AD, RT</u>	Date: <u>5/8/06</u> County: <u>Clinton</u> State: <u>VT</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.) <u>Logged Area (not recent)</u>	Community ID: <u>WETA.1</u> Transect ID: <u>AR703A</u> Plot ID: <u>-SS1</u>

**VEGETATION**

PEM w/ scattered SS

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sensitive fern</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>S. Elymus</u>	<u>H</u>	<u>FACW+</u>	10.		
3. <u>meadowweet</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Steeplebush</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Carex lucida</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Carex sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Sparganium</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Wetlands observed in other portions of wetland</u> <u>* Not listed; presumed to be OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date: 5/8/06  
 Community ID: AR703A  
 Plot ID: SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	
0-9	A	10YR 4/1	10YR 2/6	6m/Fac/Dist	Silty clay
9-18	B	10YR 6/5	10YR 5/8	mm/med/prop	Clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>RTD, JH</u>	Date: <u>5/8/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>UPLANDS</u> Transect ID: <u>AR703</u> Plot ID: <u>552</u>

**VEGETATION** Early successional open field

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>35%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>grass sp. (arise)</u>	<u>H</u>	<u>-</u>	10.		
3. <u>CA. Creeper</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Rough leaved goldenrod</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Bittersweet</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>20%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	Remarks:



Upland

Date: 5/8/06  
Community ID: AL703A  
Plot ID: SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-18	A	10R 4/4	—	—	st clay lam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

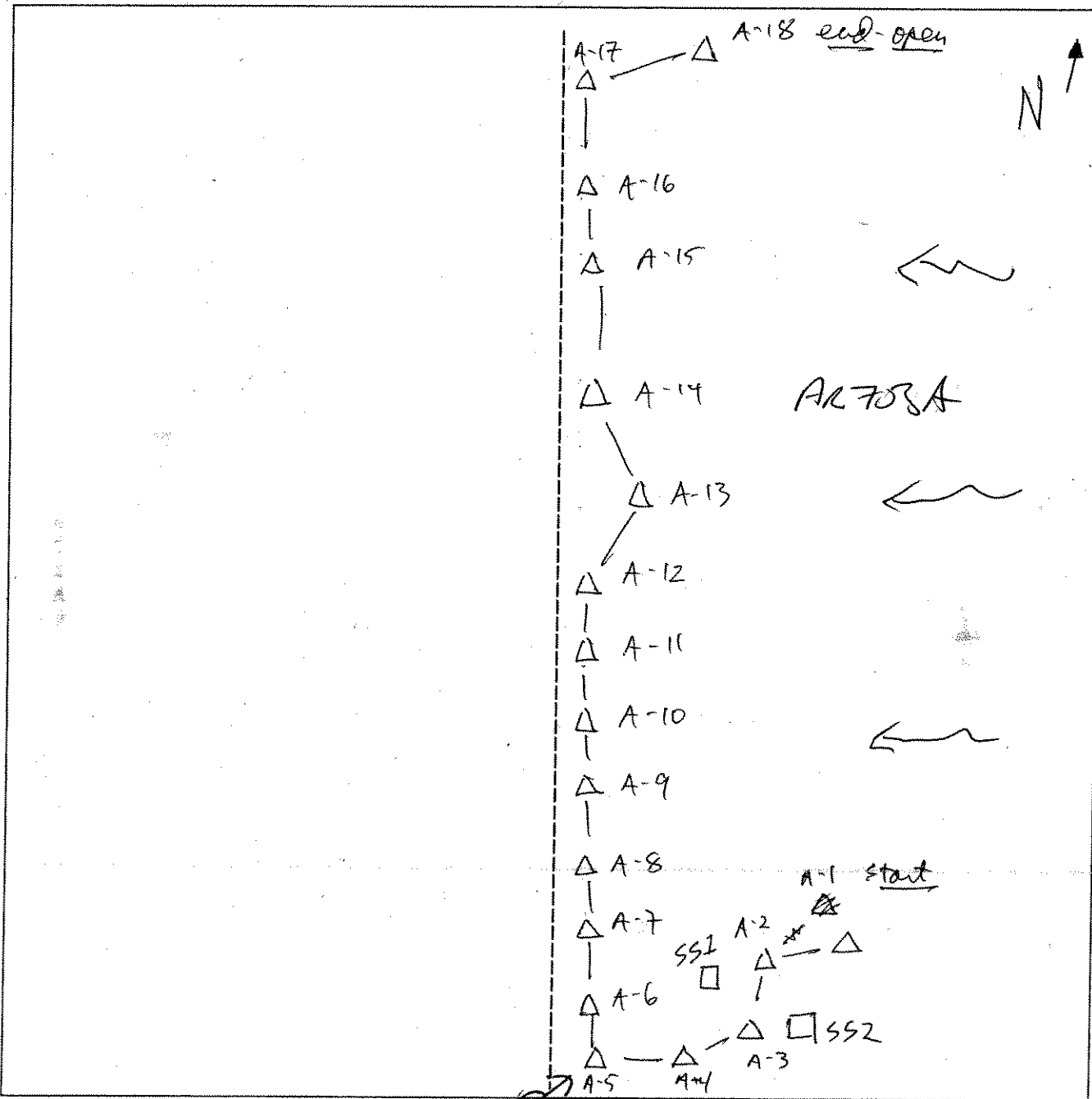
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: AR 703A	Date: 5/8/06	Time: 12:00
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: photos 3 @ AR 703A ⇒ NE	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: AR703-A-01E Plot ID: 553

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: $\emptyset$ Shrub: 15 Herb: 90 Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. CAREX SP.	H		9.		
2. JUNCUS EFFUSUS	H	FACW+	10.		
3. DARK GREEN BULRUSH	H	FACW+	11.		
4. ASTER SP.	H		12.		
5.			13.		
6. SILKY WILLOW	S	OBL	14.		
7. SPIREA LATIFOLIA	S	FAC+	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $4/6 = 67\%$					
Remarks: BONGBET (EUPATORIUM FERROLIATUM)					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): (2" IN PLACES) Depth to Free Standing Water in Pit (in.): 12" IN PIT Depth to Saturated Soil (in.): 0 (SURFACE)	
Remarks:	

Date: 6/11/2007  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	AP	10YR 4/1 NIX			CLAY
0-6	AP	10YR 5/4			CLAY
6-12	B <sub>1</sub>	10YR 5/1	10YR 4/6	LARGE/COARSE/DISTINCT	CLAY
12-1	B <sub>2</sub>	7.5YR 4/1	7.5YR 4/6	COMMON/MED / FAINT	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: DISTURBED SOILS DUE TO PLOWING					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: ARTO3A Plot ID: 334

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree: $\emptyset$ Shrub: 35      Herb: 95      Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. MEADOWSWERT	S	FAC+	9. STRAWBERRY	H	UPL
2. BETULA POPULIFOLIA	S	FAC	10.		
3. POPULUS TRENULOIDES	S	FACU	11.		
4. COW VETCH	H	UPL	12.		
5. SOLIDAGO RUBROSA	H	FAC	13.		
6. " CANADENSIS	H	FACU	14.		
7. TRIFOLIUM PRATENSE	H	FACU -	15.		
8. WOOD SORREL	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/9 = 33%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 8/11/2007  
 Community ID: UPLAND  
 Plot ID: S54

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9		10YR 4/3			CLAY
9-18		10YR 5/2	10YR 5/6	MANY / MED / DISTINCT	CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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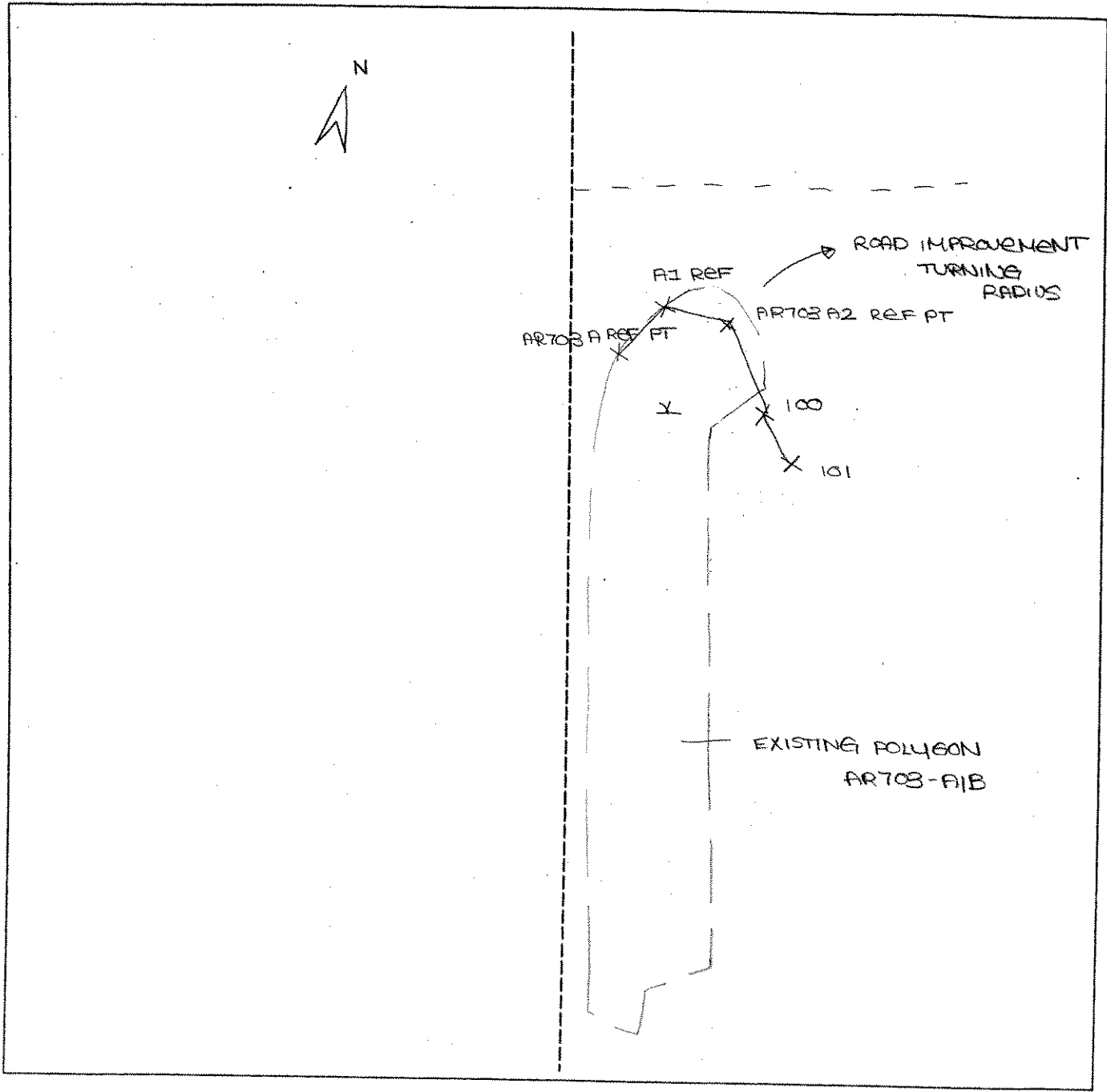
Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR703-A	<b>Date:</b> 5/25/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARDIE RIVER</u> Applicant/Owner: <u>MARDIE RIVER, LLC</u> Investigator: <u>J&amp;D, PJ</u>	Date: <u>7/1/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR710A</u> Plot ID: <u>SSI</u>

**VEGETATION** PFD/PSS

Plant Community Classification: <u>PFD/PSS</u>					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>60%</u> Herb: <u>75%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Taxus canadensis</u>	<u>T/S</u>	<u>FACU-</u>	9.		
2. <u>Rubus odoratus</u>	<u>T/S/H</u>	<u>FAC</u>	10.		
3. <u>Geococcyx</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>S. phaeocephalus</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Calluna sp.</u>	<u>H</u>	<u>-</u>	13.		
6. <u>maiden hair</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Betula pumila</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>Aster sp.</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>7/10</u>					
Remarks: <u>Assume OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	Remarks: <u>MODEL AREA down flaps 6 &amp; 7 possible connection to WTB119C line near #23</u>

Photo 2 SW at wetland for AR710A-3



Date: 5/11/06  
 Community ID: WORMS  
 Plot ID: AR710A-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A <sub>1</sub>	10YR 2/1	—	—	Silt loam w/ organics
4-10	<del>A<sub>2</sub></del> B <sub>1</sub>	10YR 4/2	—	—	SANDY CLAY
10-14	<del>B<sub>2</sub></del> B <sub>2</sub>	10YR 3/6	—	—	SANDY CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Referred to layer at 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MAEDIE RIVER</u>	Date: <u>5/11/06</u>
Applicant/Owner: <u>MAEDIE RIVER, LLC</u>	County: <u>Clinton</u>
Investigator: <u>SPS, PA</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
	Community ID: <u>Upland</u> Transect ID: <u>AR710A</u> Plot ID: <u>552</u>

**VEGETATION**      Upland Decid Forest

Plant Community Classification:  
 Percent Canopy Cover:      Tree: 75% Shrub: 40% Herb: 60% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T/S/H</u>	<u>FAC</u>	9. <u>RED BUDGED DOGWOOD</u>	<u>H</u>	<u>FACU</u>
2. <u>GRAY BIRCH</u>	<u>T/S</u>	<u>FAC</u>	10. <u>FALSE SPANISH MOSS</u>	<u>H</u>	<u>FACU</u>
3. <u>CLUB MOSS</u>	<u>H</u>	<u>-</u>	11. <u>Sm White Trillium</u>	<u>H</u>	<u>FAC</u>
4. <u>Whorled Wood Aster</u>	<u>H</u>	<u>INDL</u>	12. <u>Undisturbed herb</u>	<u>H</u>	<u>-</u>
5. <u>May flower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Bee-like-chrysan</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>DRACEN Fern</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>WOOD PERN</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 10/14

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVERS LLC</u> Investigator: <u>BA BA</u>	Date: <u>3/11/06</u> County: <u>Clatsop</u> State: <u>OR</u>
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> No Is the area a potential Problem Area? <u>Yes</u> No (If needed, explain on reverse.)	Community ID: <u>WETLANDS</u> Transect ID: <u>AR7111</u> Plot ID: <u>SSI</u>

**VEGETATION** PFO

Plant Community Classification:  
Percent Canopy Cover: Tree: 60 Shrub: 40 Herb: 60 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray birch</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>SPINAG mus</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>oak</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Red maple</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>maize</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>maple</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 17

Remarks:  
x Assume OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5/11/06  
 Community ID: WETLANDS  
 Plot ID:

AL711B-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR2/1	-	-	*STFW/ORGANICS

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *\* BLACK muck w/ splays ORGANICS*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	Yes	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>PAUL AT</u>	Date: <u>5/11/06</u> County: <u>Clay</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UP1M15</u> Transect ID: <u>AR7118</u> Plot ID: <u>-552</u>

**VEGETATION** upland decid forest

Plant Community Classification: Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>40</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S/H</u>	<u>FAC</u>	9. <u>Sunshiny</u>	<u>S/H</u>	
2. <u>Gray birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>may flower</u>	<u>H</u>	<u>FAC-</u>	11.		
4. <u>Trait lily</u>	<u>H</u>	<u>ERL*</u>	12.		
5. <u>WOOD FERN</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Striped maple</u>	<u>L/H</u>	<u>FACU</u>	14.		
7. <u>Open</u>	<u>T</u>	<u>FACU</u>	15.		
8. <u>BRACKEN FERN</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/10</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test* <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/11/06  
 Community ID: Upland  
 Plot ID: AR71B-SSQ

**SOILS**

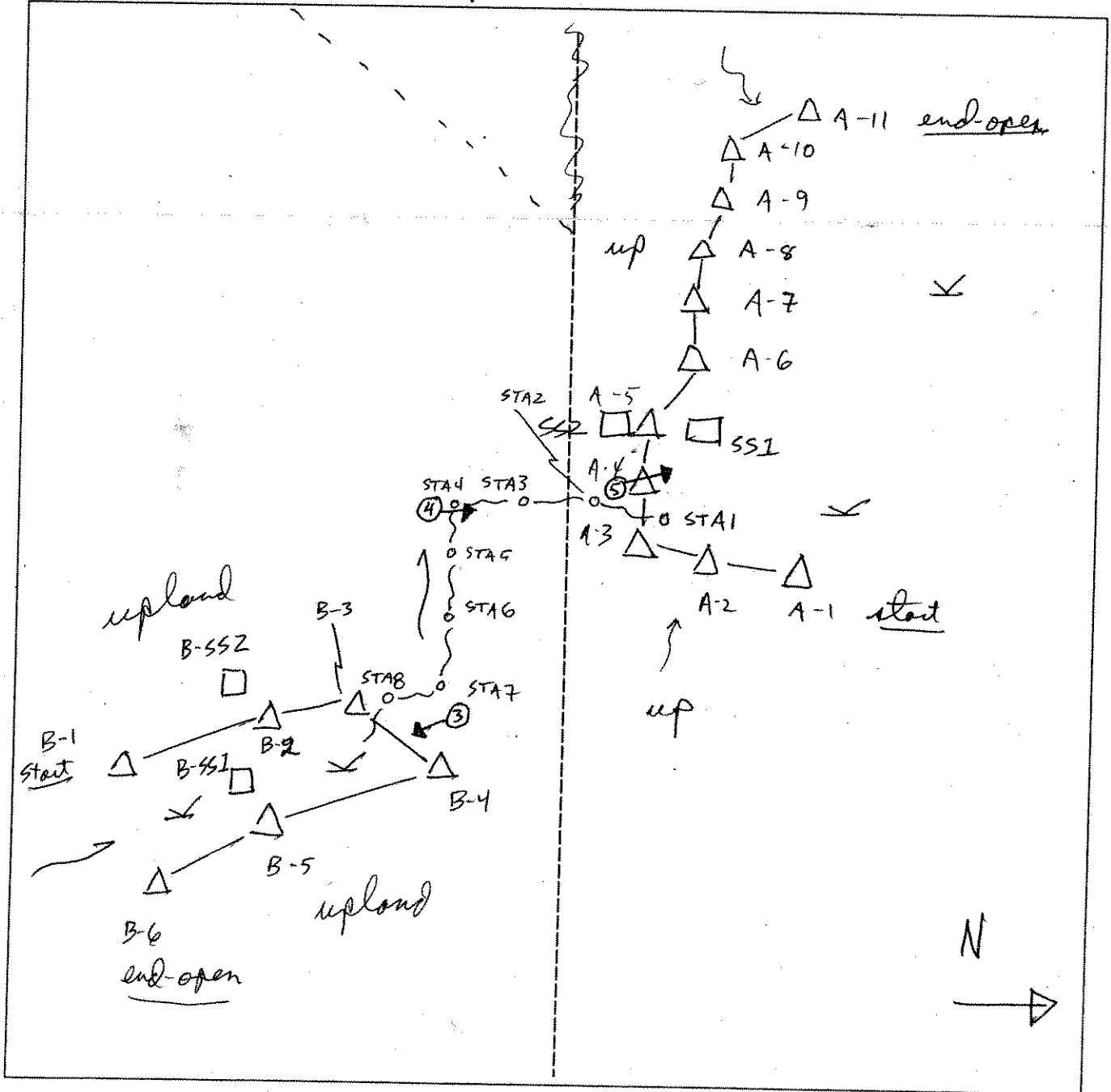
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	—	—	ORGANIC
3-9	A	2.5YR 5/1	—	—	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AR711A/B</b>	Date: <b>2/5/11/06</b>	Time: <b>2:40</b>
Initials of Delineators: <b>RD-RJ</b>	Location:	
Roll #:	Frames: <b>photo 3 facing SE up wetland; photo 4 facing N down stream; photo 5 facing NNW to wetland</b>	



Legend	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
∇	Wetland
—	Upland
—	Stream
- . . -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Morhe River Wind</u> Applicant/Owner: <u>Morhe River, LLC</u> Investigator: <u>BQ</u>	Date: <u>5/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WET</u> Transect ID: _____ Plot ID: _____  <u>AR 713 - B-551</u>

**VEGETATION**

	Dominant Plant Species	Stratum	Indicator		Dominant Plant Species	Stratum	Indicator
*	1 <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9			
	2 <u>Fraxinus americana</u>	<u>T</u>	<u>FACU</u>	10			
*	3 <u>Alnus rugosa</u>	<u>sh</u>	<u>FACW+</u>	11			
*	4 <u>Viburnum dentatum</u>	<u>sh</u>	<u>FAC</u>	12			
*	5 <u>Viburnum trilobum</u>	<u>sh</u>	<u>FACU</u>	13			
	6 <u>Prunus serotina</u>	<u>sh</u>	<u>FACU</u>	14			
	7 <u>Bed. racemosa</u>	<u>cl.</u>	<u>FAC-</u>	15			
*	8 <u>Styracis</u>	<u>H</u>	<u>OBL</u>	16			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):				<u>63%</u>			
Remarks:							

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patters in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water: <u>          </u> (in.) Depth to Free Water in Pit: <u>3</u> (in.) Depth to Saturated Soil: <u>Surface</u> (in.)	Remarks:



**SOILS**

Map Unit Name \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 (Series and Phase): \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-a	A/O	2.5Y 3/1			Mucky mineral
9-12"	B <sub>g</sub>	2.5Y 6/2	2.5Y 5/6	75%	faded loam

Hydric Soil Indicators:  
 - low chroma colors  
 - high organic matter content in A

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No (Circle)	(Circle)
Wetland Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Is this Sampling Point Within a Wetland?			<input checked="" type="radio"/> Yes No

Remarks:

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BQ</u>	Date: <u>5/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: _____ Plot ID: _____ <u>AR 713-B-552</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
1	<u>W. Ash</u>	<u>T</u>	<u>FACW</u>	9			
2	<u>Prunus serotina</u>	<u>T</u>	<u>FACW</u>	10			
3	<u>Prunus serotina</u>	<u>Sh</u>	<u>FACU</u>	11			
4	<u>Rubus idaeus</u>	<u>Sh</u>	<u>FAC-</u>	12			
*5	<u>Viburnum trilobum</u>	<u>Sh</u>	<u>FACW</u>	13			
6				14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 20%

Remarks:

**HYDROLOGY** None

_____ Recorded Data (Described in Remarks): _____ Stream, Lake, or Tide Gauge _____ Aerial Photographs _____ Other _____ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patters in Wetlands <b>Secondary Indicators (2 or more required):</b> _____ Oxidized Root Channels in Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water: _____ (in.)  Depth to Free Water in Pit: _____ (in.)  Depth to Saturated Soil: _____ (in.)	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase): _____		Drainage Class: _____			
Field Observations Confirm Mapped Type? YES NO					
<b>Profile Description:</b>					
Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-8	A	10YR 3/3	NONE		
8-11	Bw	10YR 4/6	None		
Hydic Soil Indicators:					
Remarks: <i>extremely stoney</i>					

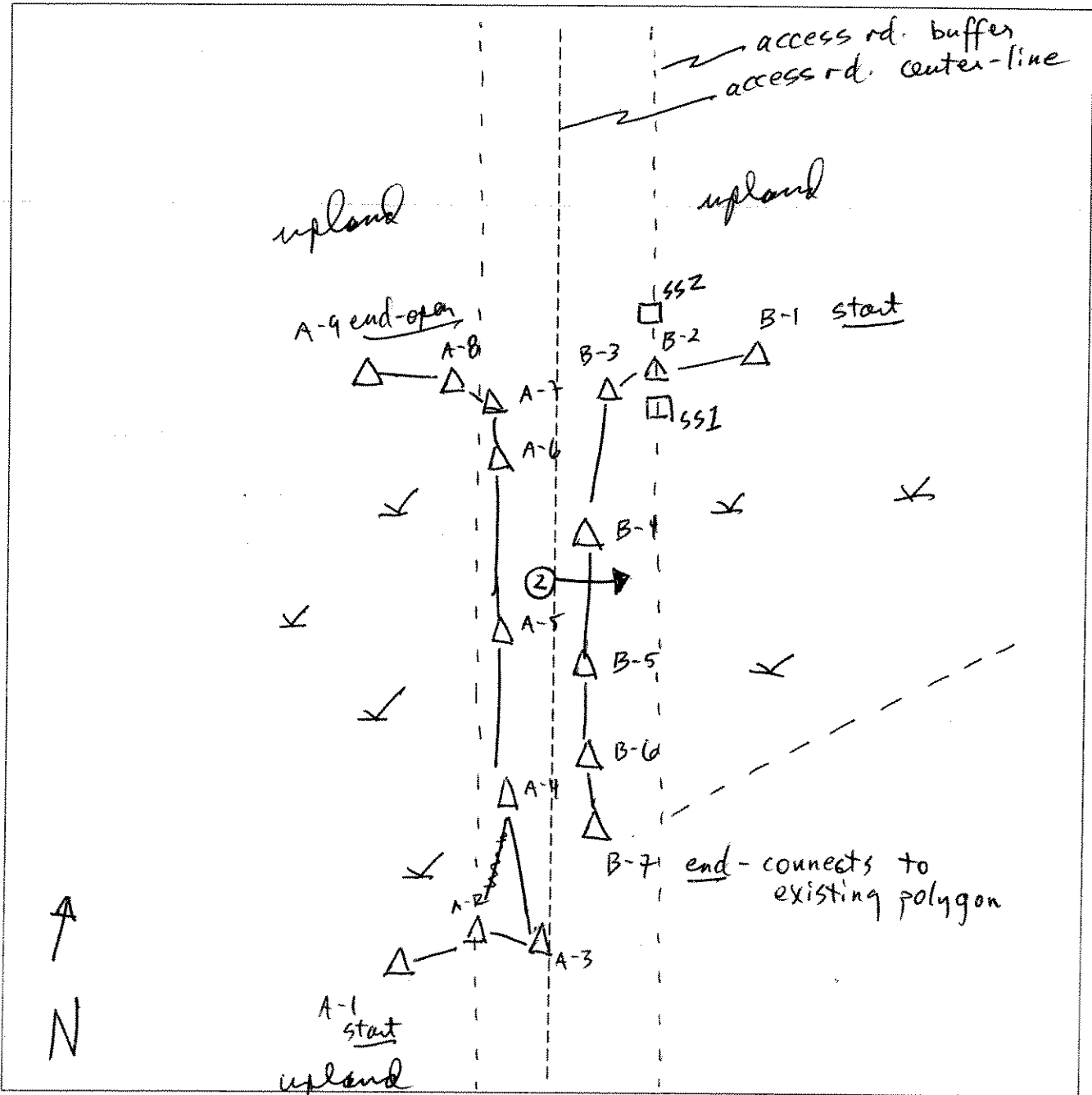
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	
Wetland Hydrology Present?	Yes	<input checked="" type="radio"/> No	(Circle)	
Hydic Soils Present?	Yes	<input checked="" type="radio"/> No		Is this Sampling Point Within a Wetland? Yes <input checked="" type="radio"/> No
Remarks:				

Approved by HQUSACE 3/92

SKETCH FORM

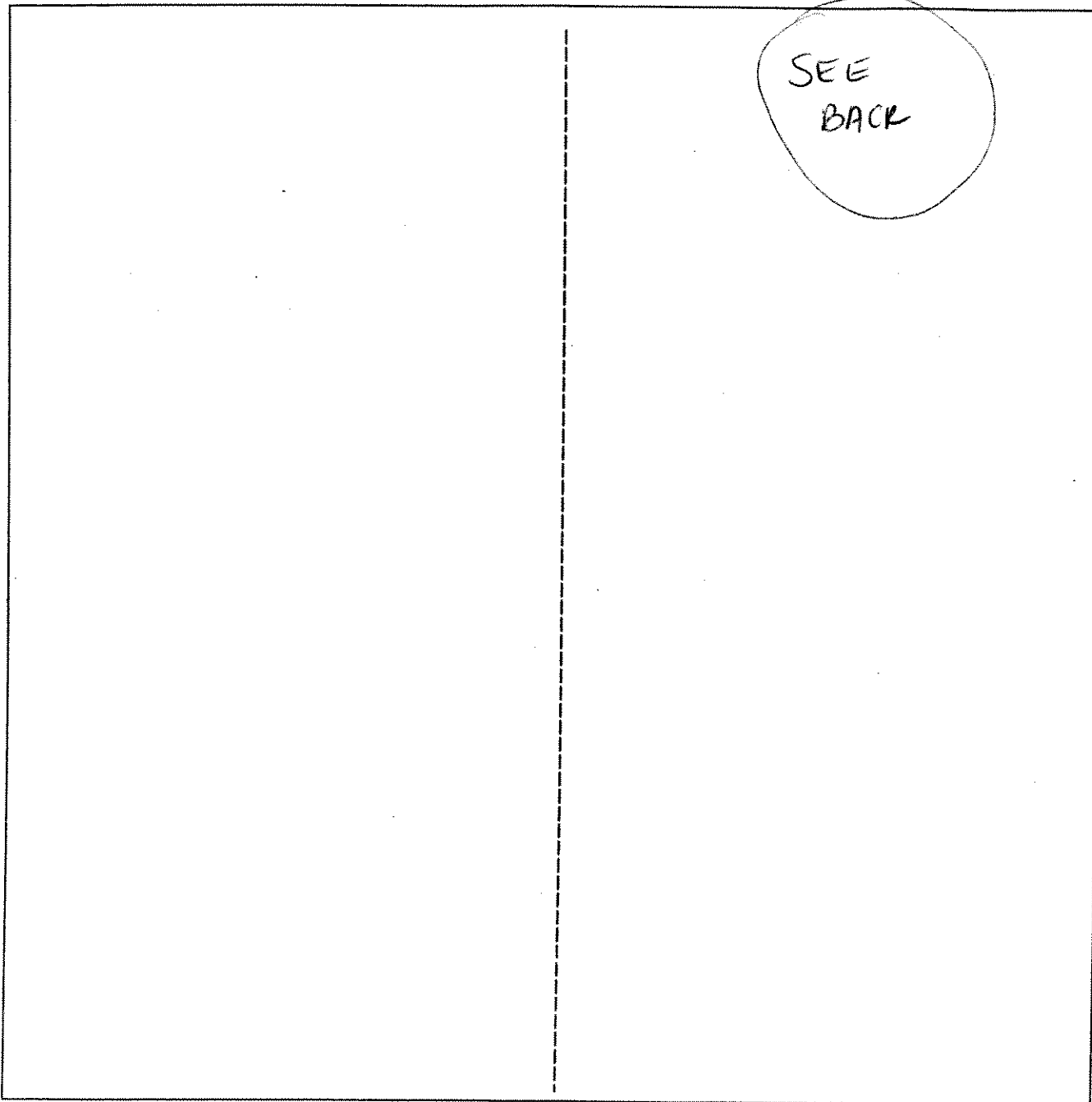
Wetland ID/Route #: <b>AR 713 A/B</b>	Date: <b>5/16/06</b>	Time: <b>12:20</b>
Initials of Delineators: <b>BQ-RJ</b>	Location:	
Roll #: <b>Frames:</b>	<b>photo 2 facing E to wetland</b>	



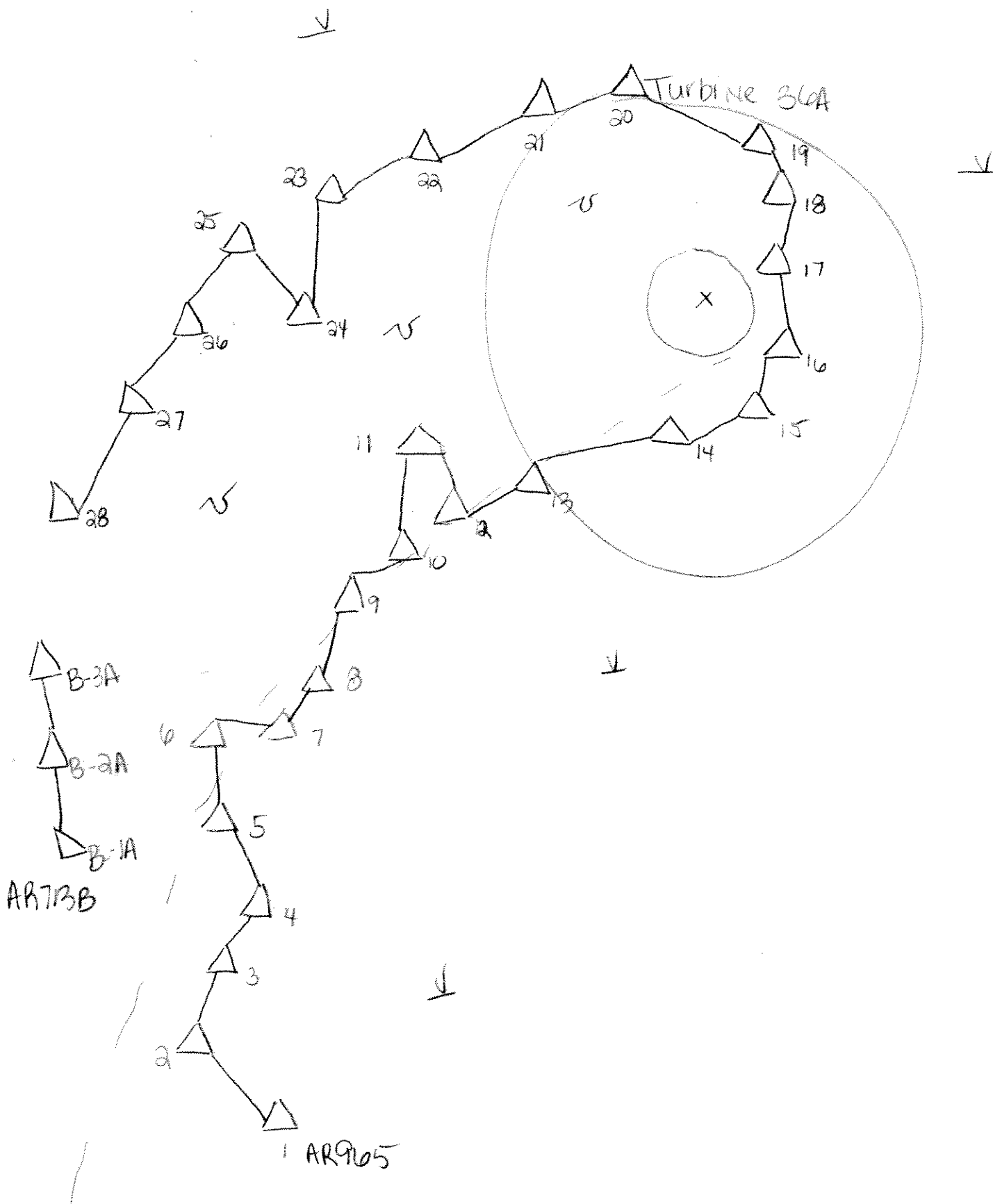
Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <b>ARC165A + AR713B</b>	Date: <b>7-29-00</b>	Time:
Initials of Delineators: <b>HT</b>	Location: <b>AR/IC to 36A</b>	
Roll #:	Frames:	



<b>Legend</b>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream
			N



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Applicant/Owner: Investigator: <i>RC</i>	Date: <i>5/19/06</i> County: <i>Chautauque</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 119 AB 551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex</i>	H	<i>wet</i>	9.		
2. <i>Eleocharis</i>	H	<i>OBL-FACW</i>	10.		
3. <i>Sphagnum</i>	H	<i>OBL</i>	11.		
4. <i>Salix sp</i>	H	<i>wet</i>	12.		
5. <i>Sagittaria latifolia</i>	H	<i>FAC+</i>	13.		
6. <i>Eleocharis tenuis</i>	H	<i>FACW</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>shrubs either cut stems but identifiable in field or at stone well through field</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>6-8"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<del>M2 B-18</del>	Ap	2.5Y 2/1	2.5YR 3/3 +	2.5Y 4/1	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: soil plowed  
 darker horizon and low chroma redox different  
 from upland soil

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Mohle River</i>	Date: <i>5/19/05</i>
Applicant/Owner: <i>Mohle River LLC</i>	County: <i>Columbus</i>
Investigator: <i>BQ</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>Hay</i>	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 719-A-82</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>field</i>	
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/>	
(If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>OK Grass</i>	<i>H</i>		9.		
2. <i>Proseria virginiana</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>Tripsacum daniellii</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Viola sp.</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Black Sucker root</i>	<i>H</i>	<i>NI</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <input type="radio"/>					
Remarks: <i>- Maintained Hay field</i> <i>- veg. indicators <u>do</u> exist for determination</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/19/06  
 Community ID:  
 Plot ID: AR-119-A-557

**SOILS**

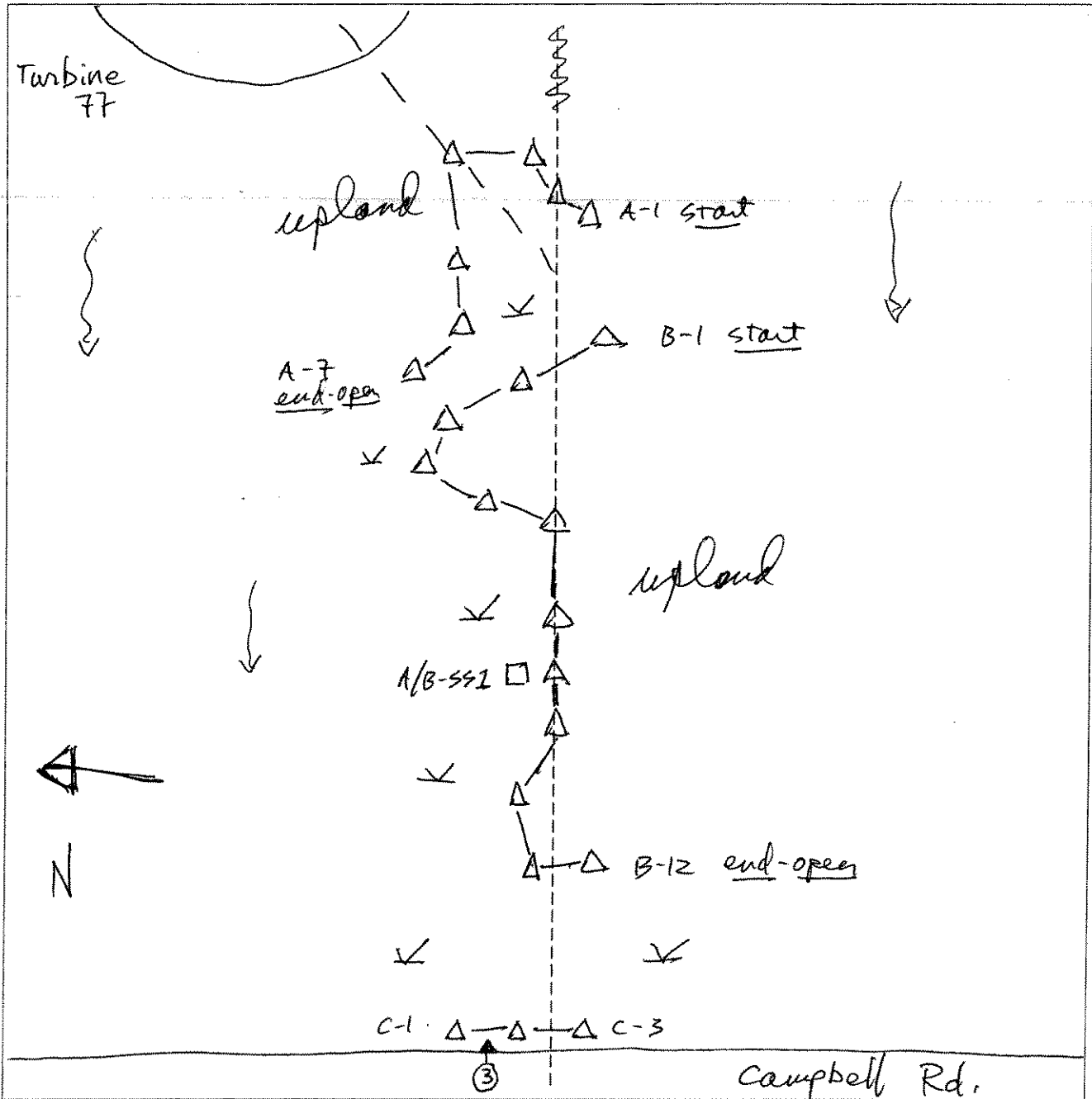
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	Ap	10YR 9/2	2.5R 4R 4H		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: AR719 A/B	Date: 5/19/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #: Frames: photo 3 facing E		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/4/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PEM</u> Transect ID: Plot ID: <u>AR 719 ABC 881</u>

**VEGETATION**

Plant Community Classification: <u>Ag Field - open</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Cinna arundinacea</u>	<u>H</u>	<u>OBL</u>	9.		
2. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Field has been cut. Vegetation has not emerged</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <u>in spots</u> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>2" in spots</u>  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/4/07  
 Community ID: PEM  
 Plot ID: AR 719 ABC SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	10YR 2/2		ORGONICS
2-4		10YR 2/1	10YR 2/2	few/fine/faint	silty loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal @ 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PBM Transect ID: Plot ID: AB 719 ABC S52

EXT

**VEGETATION**

Plant Community Classification: <u>GRASS</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Tritolium repens</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Taraxicum officinale</u>	<u>H</u>	<u>WPL</u>	10.		
3. <u>Tripolium hybridum</u>	<u>H</u>	<u>FACU</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>450%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/14/07  
 Community ID: UPL  
 Plot ID: AR 719 ABC SS2

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 4/4			Sandy loam
4-6	B	10YR 5/2			sand

- Hydro Soil Indicators
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal e 6"  
 B\* Horizon comprised of sand w/ coarse fragments

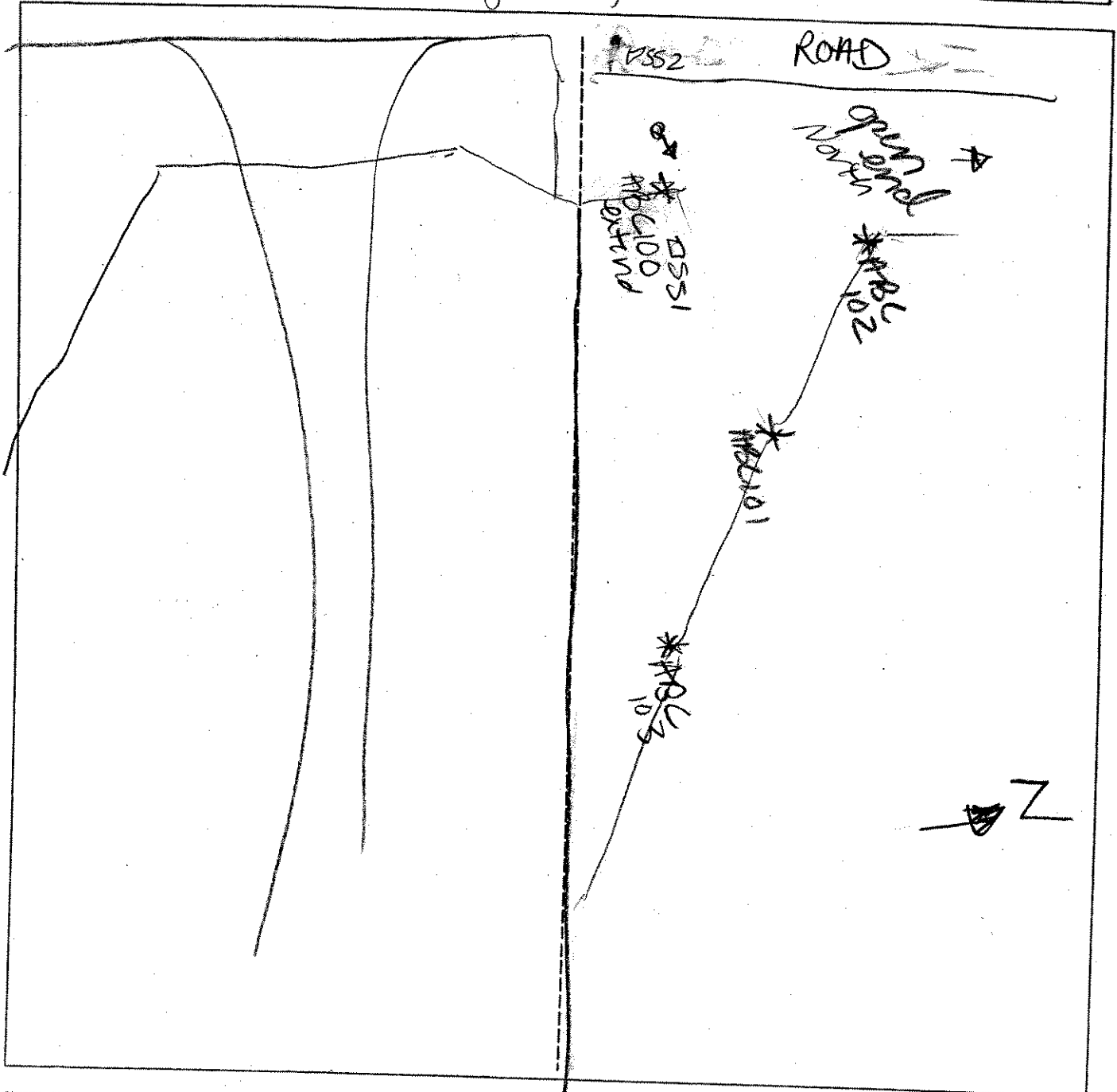
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR719 ABC</b> EXT.	Date: <b>4 May 07</b>	Time:
Initials of Delineators: <b>JV: AD</b>	Location: <b>AR719 ABC</b>	
Roll #:	Frames: <b>photo facing east</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wood</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCR</i>	Date: <i>5/20/06</i> County: <i>Clinch</i> State: <i>VA</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 720 A-551</i>

**VEGETATION**

Plant Community Classification:

Percent Canopy Cover: Tree: *20* Shrub: *60* Herb: *80* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Populus tremula</i>	<i>T</i>	<i>FACU</i>	9.		
<i>2. Salix SP</i>	<i>SL</i>	<i>Assum Wet</i>	10.		
<i>3. Spirea latifolia</i>	<i>SL</i>	<i>FACU</i>	11.		
<i>4. Prunus serotina</i>	<i>SL</i>	<i>FACU</i>	12.		
<i>5. Viratrum lvsade</i>	<i>H</i>	<i>FACU</i>	13.		
<i>6. Cypripedium sensibile</i>	<i>N</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *66%*

Remarks:

**HYDROLOGY**

\_\_\_ Recorded Data (Describe in Remarks):

- \_\_\_ Stream, Lake, or Tide Gauge
- \_\_\_ Aerial Photographs
- \_\_\_ Other

No Recorded Data Available

Wetland Hydrology Indicators:

Primary Indicators:

- \_\_\_ Inundated
- Saturated
- \_\_\_ Water Marks
- \_\_\_ Drift lines

\_\_\_ Sediment Deposits

\_\_\_ Drainage Patterns In Wetlands

Secondary Indicators (2 or more required):

- \_\_\_ Oxidized Root Channels in Upper 12 inches
- \_\_\_ Water-Stained Leaves
- \_\_\_ Local Soil survey Data
- \_\_\_ FAC-Neutral Test
- \_\_\_ Other (Explain in Remarks)

Field Observations:

Depth of Surface Water (in.):

Depth to Free Standing Water in Pit (in.):

Depth to Saturated Soil (in.): *Surface*

Remarks:

Date: 5/20/06  
 Community ID: Wetland  
 Plot ID: AR-220-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
	<del>AP</del>	<del>10YR 3/4</del>	<del>7.5Y 3/4</del>	<del>20% 2-6</del>	<del>Sandy loam</del>
	AP	10YR 3/4	7.5Y 3/4	20% 2-6	Sandy loam
	Bw	2.5Y 1/1	7.5Y 3/4	> 5-6	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

DEC wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BO</i>	Date: <i>9/20/06</i> County: <i>Climson</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 720-A-852</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>65</i> Shrub: <i>35</i> Herb: <i>15</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus tremula</i>	T	FACU	9.		
2. <i>Morus SP</i>	T	FACU	10.		
3. <i>Prunus serotina</i>	Sh	FACU	11.		
* 4. <i>Spirea latifolia</i>	Sh	FACU	12.		
5. <i>Fragaria virginiana</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>9/4</i>					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/24/06  
 Community ID: Upland  
 Plot ID:

AR 720 A - SS 2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-10	Ap	10YR 3/2	none		
10-12+	Bw	10YR 4/4	none		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

extremely stony

**WETLAND DETERMINATION**

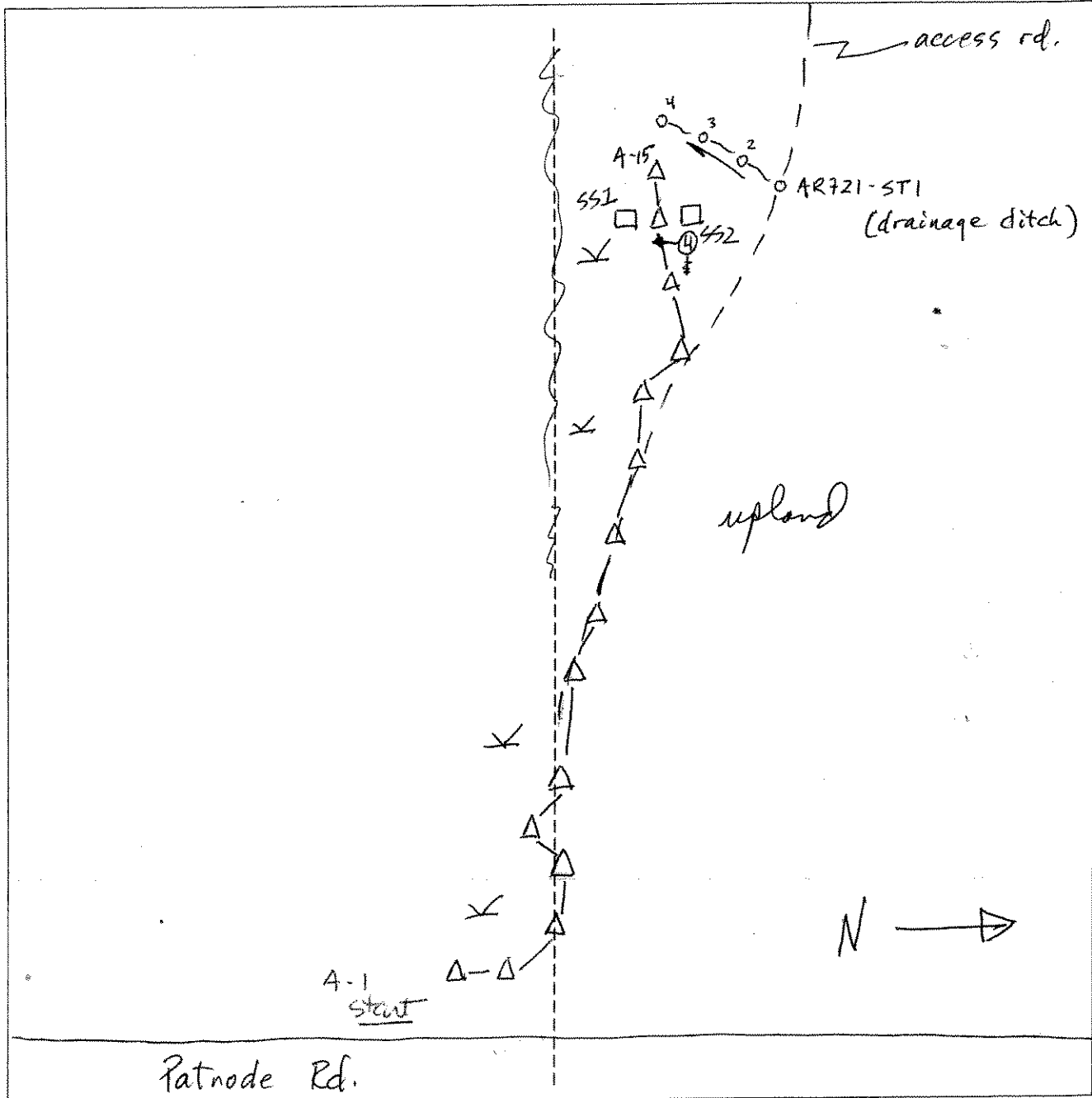
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

DEC Wetland

SKETCH FORM

Wetland ID/Route #: AR720A	Date: 5/20/06	Time:
Intials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 4 @ 552 & 5	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BSO</u>	Date: <u>5/21/06</u> County: <u>Clinton</u> State: _____
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: _____ Plot ID: <u>AR 724-A-551</u>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>35</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Alnus balsamea</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Galidago sp. early</u>	<u>H</u>		12.		
5. <u>Impatiens copensis</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Juncus effusus</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Viburnum cassinoides</u>			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>3/5</u>					
Remarks: _____					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6"</u> Depth to Free Standing Water in Pit (in.): _____ Depth to Saturated Soil (in.): _____	
Remarks: _____	

WTF-8TW

Date: 5/20/06  
 Community ID: wetland  
 Plot ID:

AR 724-A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10 YR 2/1	7.5 YR 3/4 +	2.5 YR 4/2	finely loam
10-18+	B <sub>1</sub>	2.5 Y 5/2	7.5 YR 3/4		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

DEC wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/21/06</i> County: <i>Glinco</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 724-A-552</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>30</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus tremula</i>	T	FACW	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Abies balsamea</i>	Sh	FAC	11.		
4. <i>Rubus idaeus</i>	Sh	FAC-	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/4</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Recent</i>	



WTFUTW

Date: 5/21/06  
 Community ID: ~~6~~plend  
 Plot ID: AR 724-A-552

**SOILS**

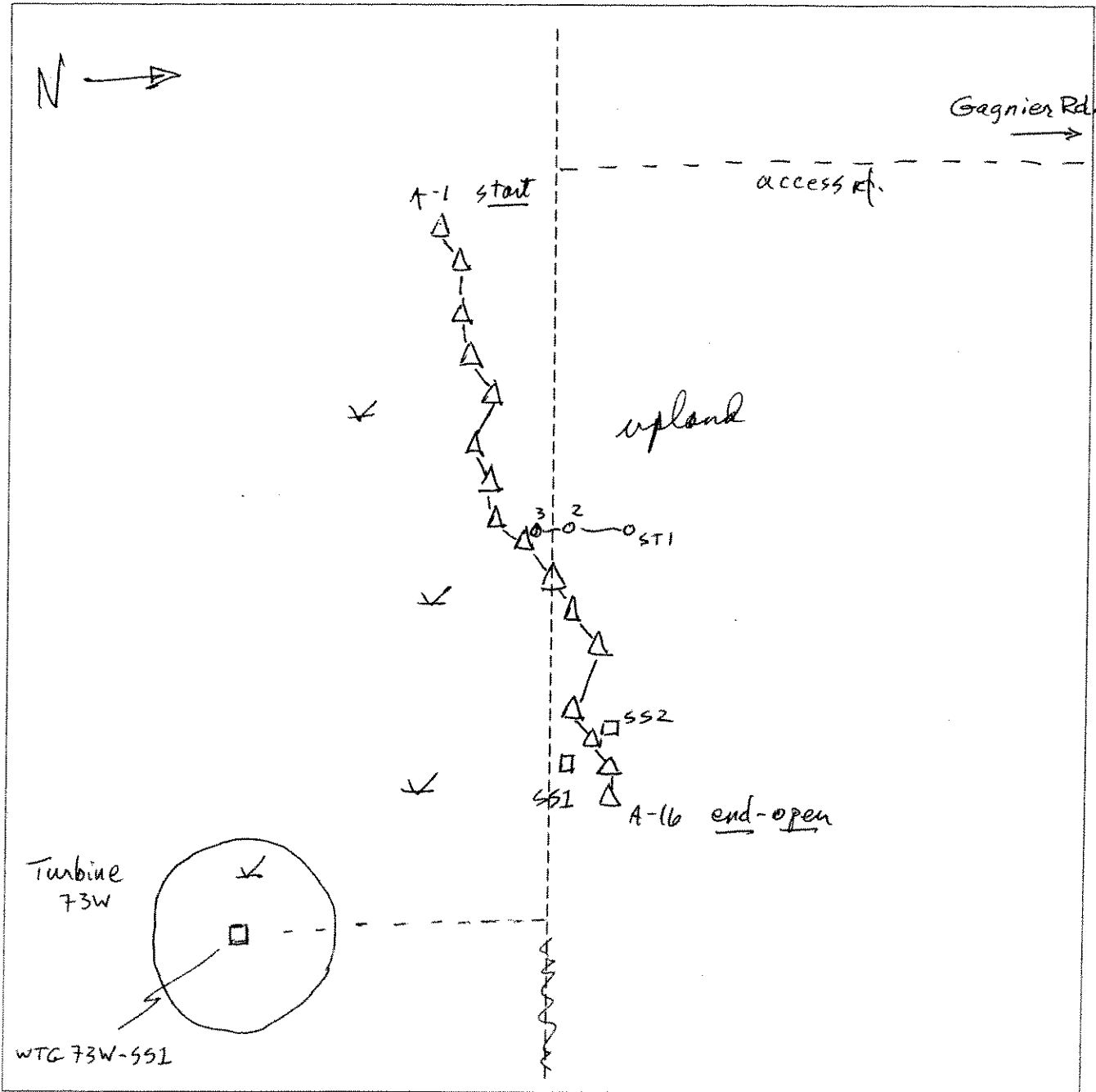
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/1	None		
3-7	B <sub>wt</sub> 1	10YR 3/4	None		
7-15+	B <sub>wt</sub> 2	10YR 4/4	None		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: AR 724A WTG 73W	Date: 5/21/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames:	

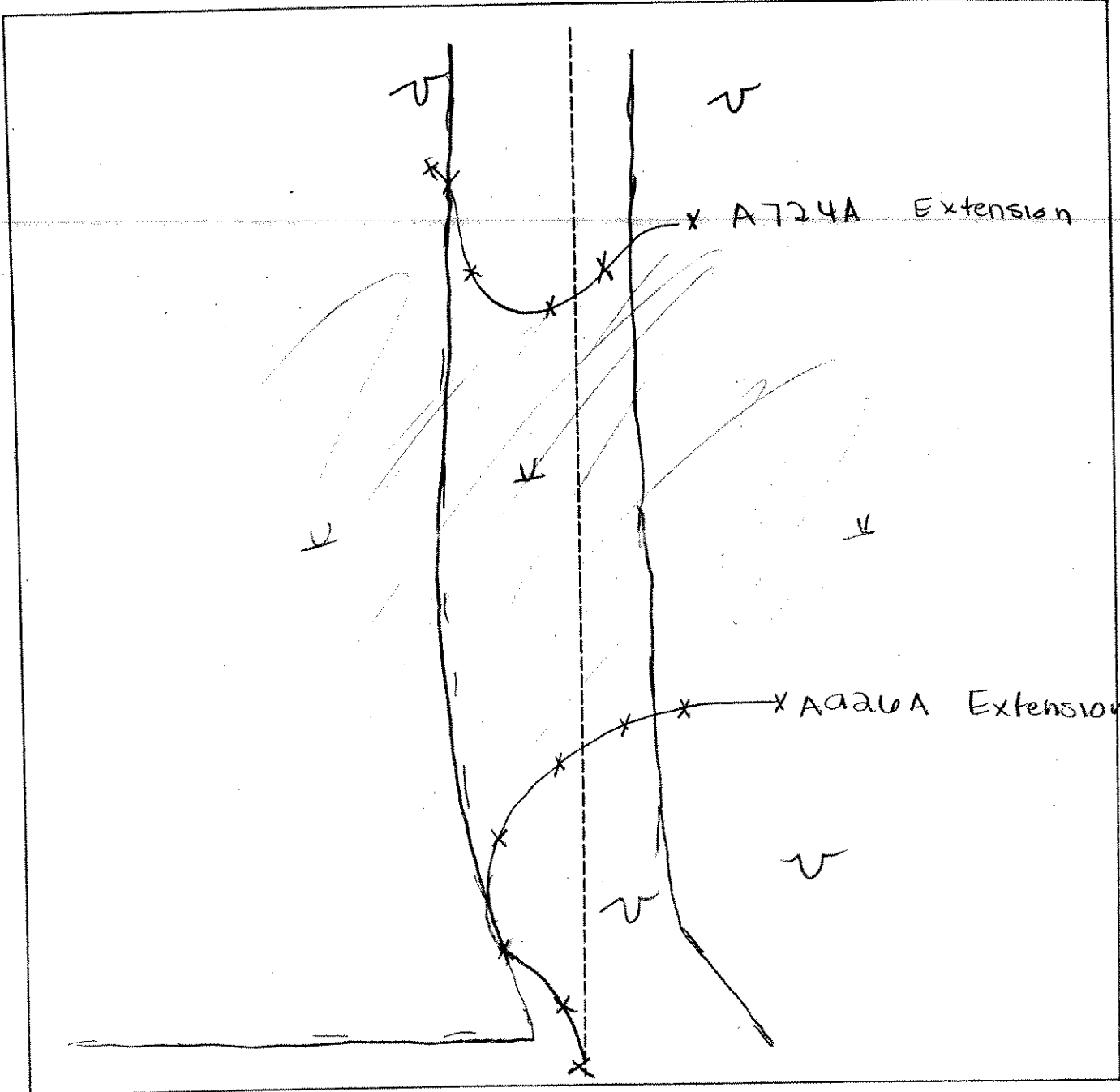


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

# Line extension

## SKETCH FORM

Wetland ID/Route #: AR926A and AR724-A	Date: 8.22.06	Time:
Initials of Delineators: FG, AL, JV, DO	Location:	
Roll #:	Frames:	



Legend	
○▼	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∟	Wetland
v	Upland
—	Stream
- . .	Intermittent Stream
	↑ N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wild</i>	Date: <i>5/22/06</i>	
Applicant/Owner: <i>Marble River LLC</i>	County: <i>Crittenden</i>	
Investigator: <i>BL</i>	State: <i>NY</i>	
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>Wetland</i>	
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No		
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)		
		Transect ID:
		Plot ID: <i>AR 725 - A/B - 551</i>

**VEGETATION**

Plant Community Classification: <i>Grassy</i>					
Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>75</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula papyrifera</i>	<i>Sh</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Abies balsamea</i>	<i>Sh</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Sphagnum</i>	<i>H</i>	<i>OBL</i>	<i>11.</i>		
<i>4. M. canadense</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Carex sp (early)</i>	<i>H</i>	<i>assum not</i>	<i>13.</i>		
<i>6. Spirea latifolia</i>	<i>Sh</i>	<i>FAC</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <i>← small pools</i> <input checked="" type="checkbox"/> Saturated <i>← rest of area</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>3-6"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>- recent rain may have contributed to inundation but other hydrology criteria also met</i>	

Date: 5/22/06  
 Community ID: wetland  
 Plot ID:  
 A12 725 A/B - 551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	7.5YR 3/4	2%	sandy loam
6-12+	Bq	10YR 5/2	10YR 4/6	75%	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input checked="" type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/22/03</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 725 A/B-992</i>

**VEGETATION**

Plant Community Classification: <i>Sapling</i>					
Percent Canopy Cover: Free: <i>70</i> Shrub: <i>65</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula populifolia</i>	<i>Sapling</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Abies balsamea</i>	<i>Shrub</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Prunus serotina</i>	<i>Sapling</i>	<i>FACU</i>	<i>11.</i>		
<i>4. M. canadense</i>	<i>H</i>	<i>FACU</i>	<i>12.</i>		
<i>5. Vaccinium angustifolium</i>	<i>H</i>	<i>FACU</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>40%</i>					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/22/06  
 Community ID:  
 Plot ID:  
 AR 725 A/B - 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/1	None		
3-4	E	10YR 6/1	None		
4-6	B <sub>5</sub>	7.5YR 3/3	None		
6-13+	B <sub>6</sub>	7.5YR 4/6	None		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: AR725-A/B-SSI

**VEGETATION**

Plant Community Classification: Great Birch / Fir Mix  
 Percent Canopy Cover: Tree: 90 Shrub: 70 Herb: 20 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Abies balsamiae</i>	T	FAC	10.		
3. B. pop.	S	FAC	11.		
4. A. bals	S	FAC	12.		
5. Sphagnum moss	H	OBL	13.		
6. Rush SD	H	FACW	14.		
7. <i>Erythronium americanum</i>	H	FAC	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: cannot i.d. due to time of year

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>1" + in spots</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



Date: 5/3/07  
 Community ID: PFD1  
 Plot ID: ART25 A/B-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			Organics
3-10	A	10YR 2/1			Silty Clay
10-12	B	10YR 5/2	10YR 4/6	Few/Med/Dist	Silty Clay w/ fine sand

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                       | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                  | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime          | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors    | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Photo 2 => N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR725 A/B-SS2

**VEGETATION**

EXT

Plant Community Classification: <i>Early Successional Woods</i>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Abies balsamea</i>	T	FAC	10.		
3. <i>Bubus</i> sp.	S	FACU	11.		
4. <i>Erythronium americanum</i>	H	FAC	12.		
5. <i>Aster</i> sp.	M		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%.					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/4/07  
 Community ID: UPL  
 Plot ID: AR725 A/B - 552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1			organics
4-10	A	10YR 3/4			Silt loam w/ sand

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

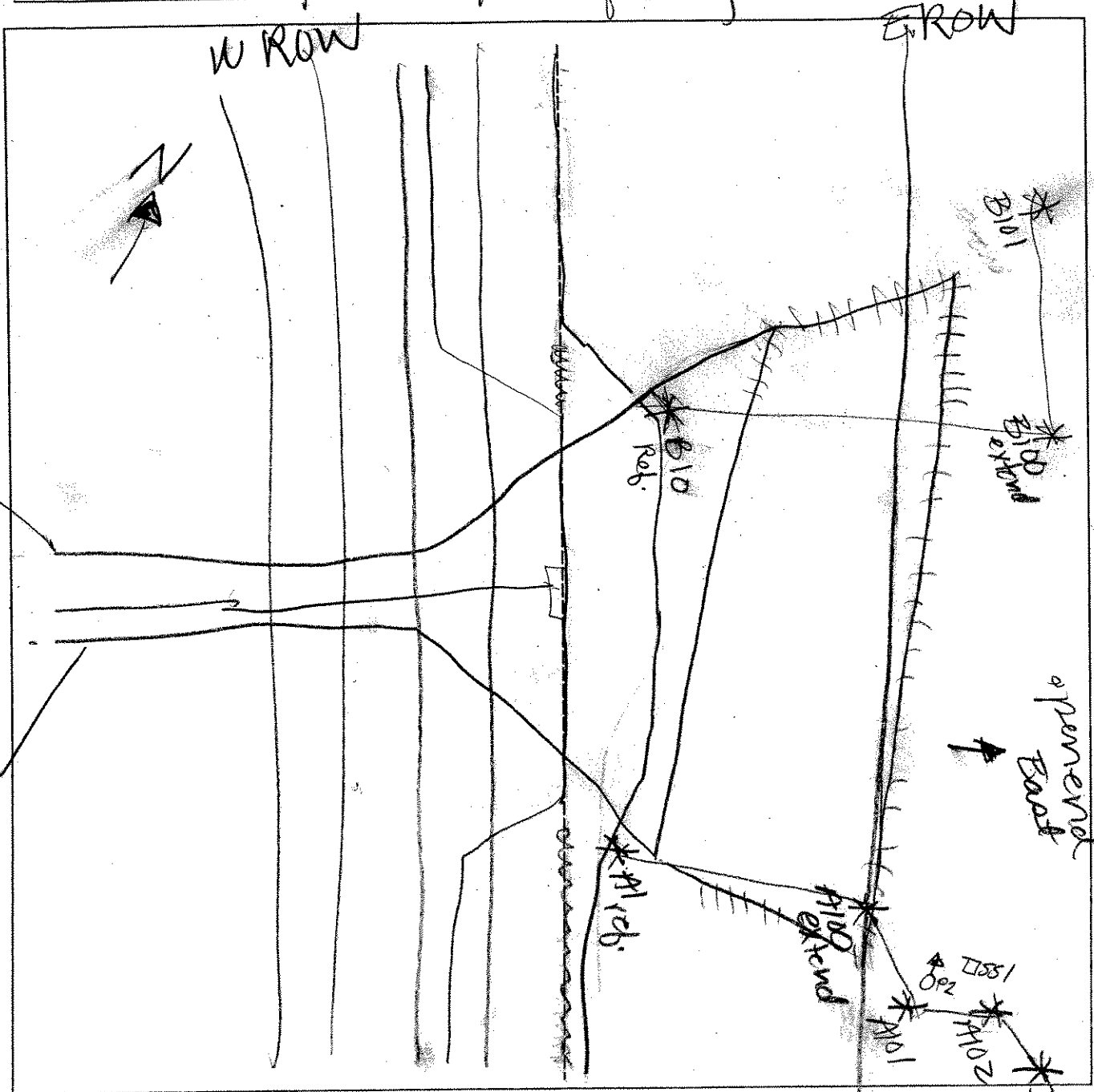
Remarks: 1" above O Horizon is litter.  
 Refusal @ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

SKETCH FORM

Wetland ID/Route #: AR725 A1B EXT	Date: 4 May 07	Time:
Intials of Delineators: JV; AP	Location: AR725 A1B	
Roll #:	Frames: photo 2 by A101 facing North	



Legend	
P2-O	Photo Location/Direction
[Rectangle]	Sample Station
[Dashed Line]	Centerline
[Triangle]	Flag
[X]	Wetland
[U-shape]	Upland
[Solid Line]	Stream
[Dotted Line]	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>BO</i>	Date: <i>5/28/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/>
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 725-C-551</i>	

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>40</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Acer rubrum</i>	T	FAC	9.		
* 2. <i>Betula populifolia</i>	Sh	FAC	10.		
* 3. <i>Spikea latifolia</i>	Sh	FAC	11.		
* 4. <i>Spirea tomentosa</i>	Sh	FACW	12.		
* 5. <i>Juncus effusus</i>	H		13.		
* 6. <i>Carex sp. (early)</i>	H	assemblage	14.		
* 7. <i>Sphagnum</i>	H		15.		
* 8. <i>Iris sp. (early)</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>8"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: - water may be high due to recent heavy rain but OK there + water stained leaves also present - edge of pond/deeply flooded swamp	

Date: 5/22/06  
 Community ID: wetland  
 Plot ID:

AR 5725-C-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Oe				Peat
6-9	A	10YR 2/1	10YR 4/2	2%	sandy loam
9-18+	Bq	2.5Y 5/1	10YR 5/6 + 7.0YR 4/2	75%	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/22/06</i> County: <i>Clinch</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: Plot ID: <i>AR 725 - C-552</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>45</i> Herb: <i>25</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Betula populifolia</i>	<i>T</i>	<i>FAC</i>	9.		
* 2. <i>Abies balsamea</i>	<i>SH</i>	<i>FAC</i>	10.		
* 3. <i>Acer rubrum</i>	<i>SH</i>	<i>FAC</i>	11.		
4. <i>Rubus allegheniensis</i>	<i>SH</i>	<i>FACU-</i>	12.		
5. <i>Rubus idaeus</i>	<i>SH</i>	<i>FAC-</i>	13.		
6. <i>Solidago sp. (early)</i>	<i>H</i>	<i>?</i>	14.		
7. <i>M. canadense</i>	<i>H</i>	<i>FAC-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY *None***

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Not saturated even after heavy rain in project area</i>	

Date: 5/25/06  
 Community ID: Upland  
 Plot ID:  
 AR 725-C-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	Ap	10Y 2/1	low		
5-6	E	10YR 5/2	low	1	discontinuous
6-8	B4s	7.5YR 3/4	low		
8-13+	B7u	10YR 4/6	low		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Soil is heavily mixed, possible logging, matrix colors are high chroma

**WETLAND DETERMINATION**

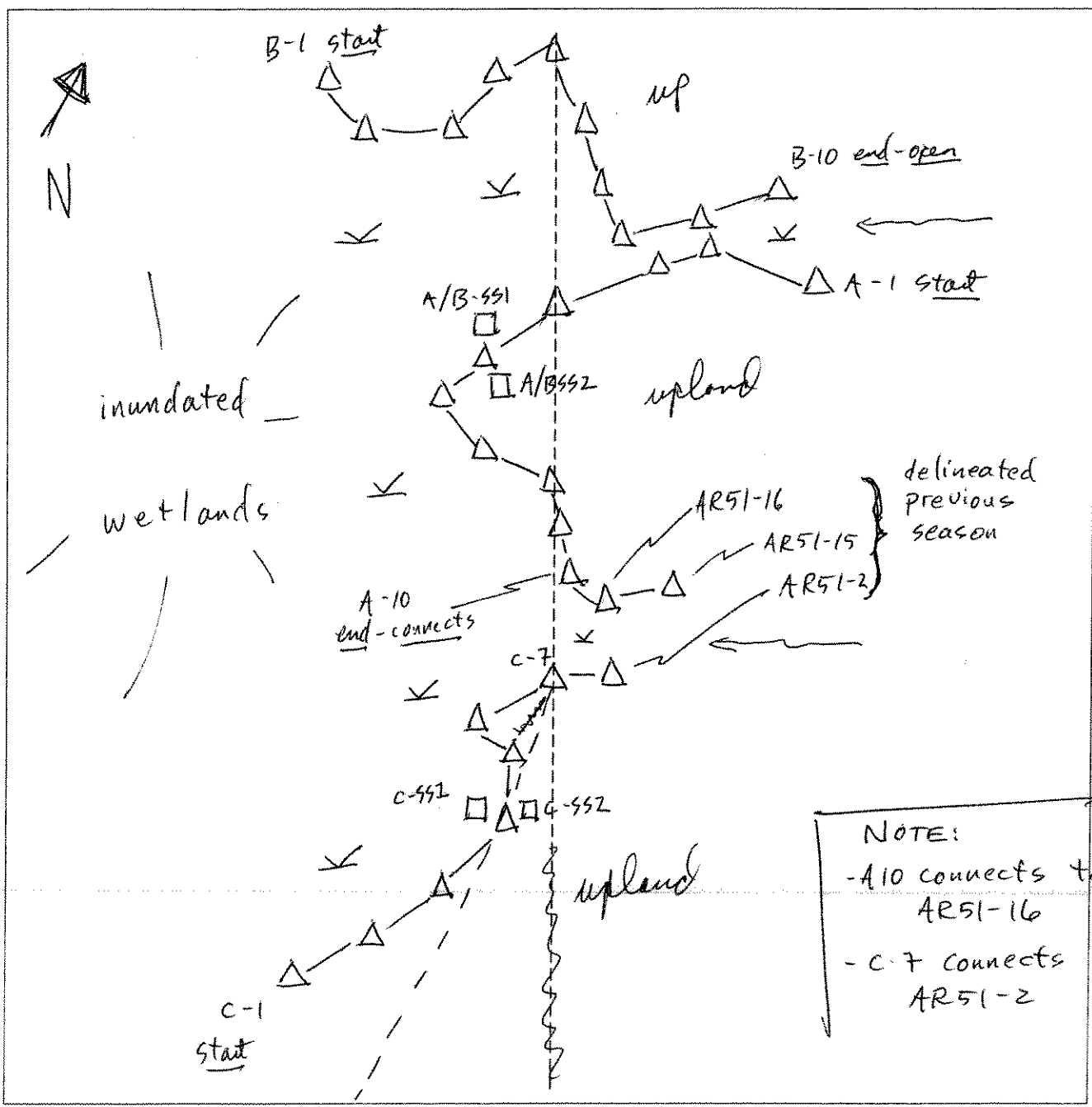
Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	

Remarks



SKETCH FORM

Wetland ID/Route #: AR725 A/B/C	Date: 5/22/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames:	



NOTE:  
 - A10 connects to AR51-16  
 - C-7 connects to AR51-2

Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/23/06</i> County: <i>Circuit</i> State: <i>NC</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 725-D-551</i>

**VEGETATION**

Plant Community Classification: <i>Sepdu 65</i>					
Percent Canopy Cover: <i>Tree: 65 Shrub: 80 Herb: 25 Vine: 0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula populifolia</i>	<i>Sep</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Abies balsamea</i>	<i>SL</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Sphagnum</i>	<i>H</i>	<i>OBL</i>	<i>11.</i>		
<i>4. Carex sp (esdy)</i>	<i>H</i>	<i>OBL</i>	<i>12.</i>		
<i>5.</i>			<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): <i>1"</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 5/23/06  
 Community ID: wetland  
 Plot ID: AR 725-D-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A10	2.5Y 2/1	2.5YR 3/4	2%	early loam
6-10	B <sub>g</sub>	2.5Y 5/2	10YR 6/4	75%	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Mable Run Wood</i> Applicant/Owner: <i>Mable Run LLC</i> Investigator: <i>BL</i>	Date: <i>5/23/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>ART05-D-552</i>

**VEGETATION**

Plant Community Classification: <i>Sapling</i>					
Percent Canopy Cover: Tree: <i>65</i> Shrub: <i>75</i> Herb: <i>10</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula populifolia</i>	<i>Sap</i>		<i>9.</i>		
<i>2. Abies balsamea</i>	<i>Sh</i>		<i>10.</i>		
<i>3. Prunus serotina</i>	<i>Sh</i>		<i>11.</i>		
<i>4. M. canadense</i>	<i>H</i>		<i>12.</i>		
<i>5.</i>			<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/23/06  
 Community ID: Upland  
 Plot ID: AR 725 D - SSR

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10.5R 2/1	none		
3-4	E	10.5R 5/2	none		discontinuous
4-5	Bh	7.5YR 3/3	none		
5-10	Bw	7.5YR 4/4	7.5YR 2/2		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Soil mechanically disturbed, (logging), discontinuous E and wired Bh/Bw

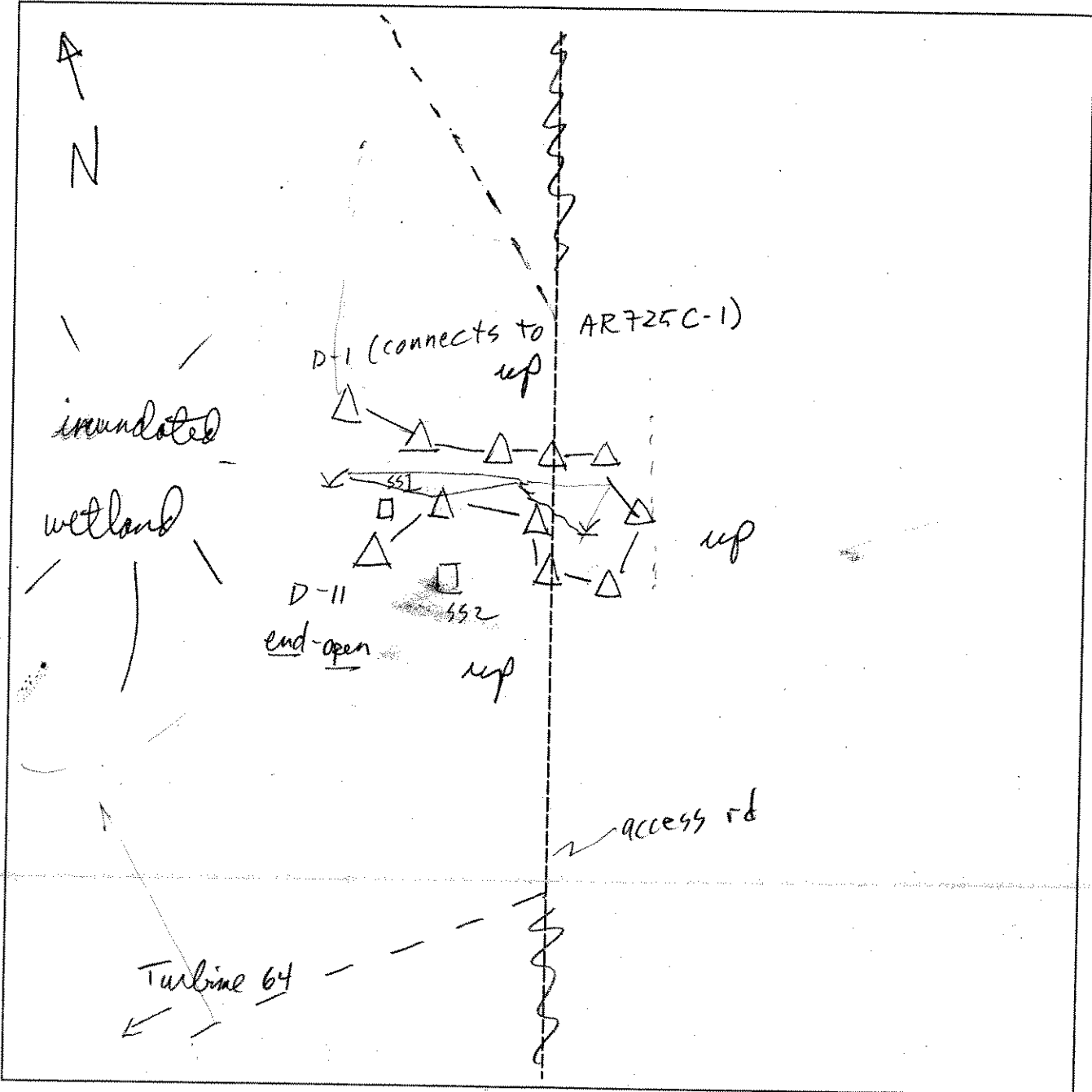
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: AR725D	Date: 5/23/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? (If needed, explain on reverse.) Yes <input type="radio"/> No <input checked="" type="radio"/>	Community ID: Open water Transect ID: Plot ID: ART25-D-551

**VEGETATION**

Plant Community Classification: OW w/ shrub  
Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamiae</i>	D	FAC	9.		
2. <i>Acer rubrum</i>	S	FAC	10.		
3. <i>Scirpus</i> sp *	M	-	11.		
4. <i>Sphagnum</i> moss <50%	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: Can't id due to time of year

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input checked="" type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): &lt;1" - unknown          Depth to Free Standing Water in Pit (in.): 0"          Depth to Saturated Soil (in.): 0"</p>	
<p>Remarks: Total depth of surface water unknown due to accessibility</p>	

Date: 5/4/07  
 Community ID: 600  
 Plot ID: AR 725 D-SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1			Silt loam
6-12	B	10YR 3/3			Silt loam w/ fine sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: photo 3 => N



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/4/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR725 D-882</u>

**VEGETATION**

EXT

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>00</u> Shrub: <u>10</u> Herb: <u>10</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Prunus serotina</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Abies balsamea</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Rubus sp</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Aster sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Fragaria virginiana</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC) <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/3/07  
 Community ID: UPL  
 Plot ID: AB725 D-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_  
 Drainage Class: \_\_\_\_\_  
 Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	O	10YR 2/1			Organics
5-6	<del>A<sub>1</sub></del>	10YR 4/2			Silty Clay
6-12	A <sub>2</sub>	10YR 2/2			Silt loam w/ fine sand

- Hydro Soil Indicators**
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: A<sub>2</sub> Horizon has non-decomposed litter to 12"

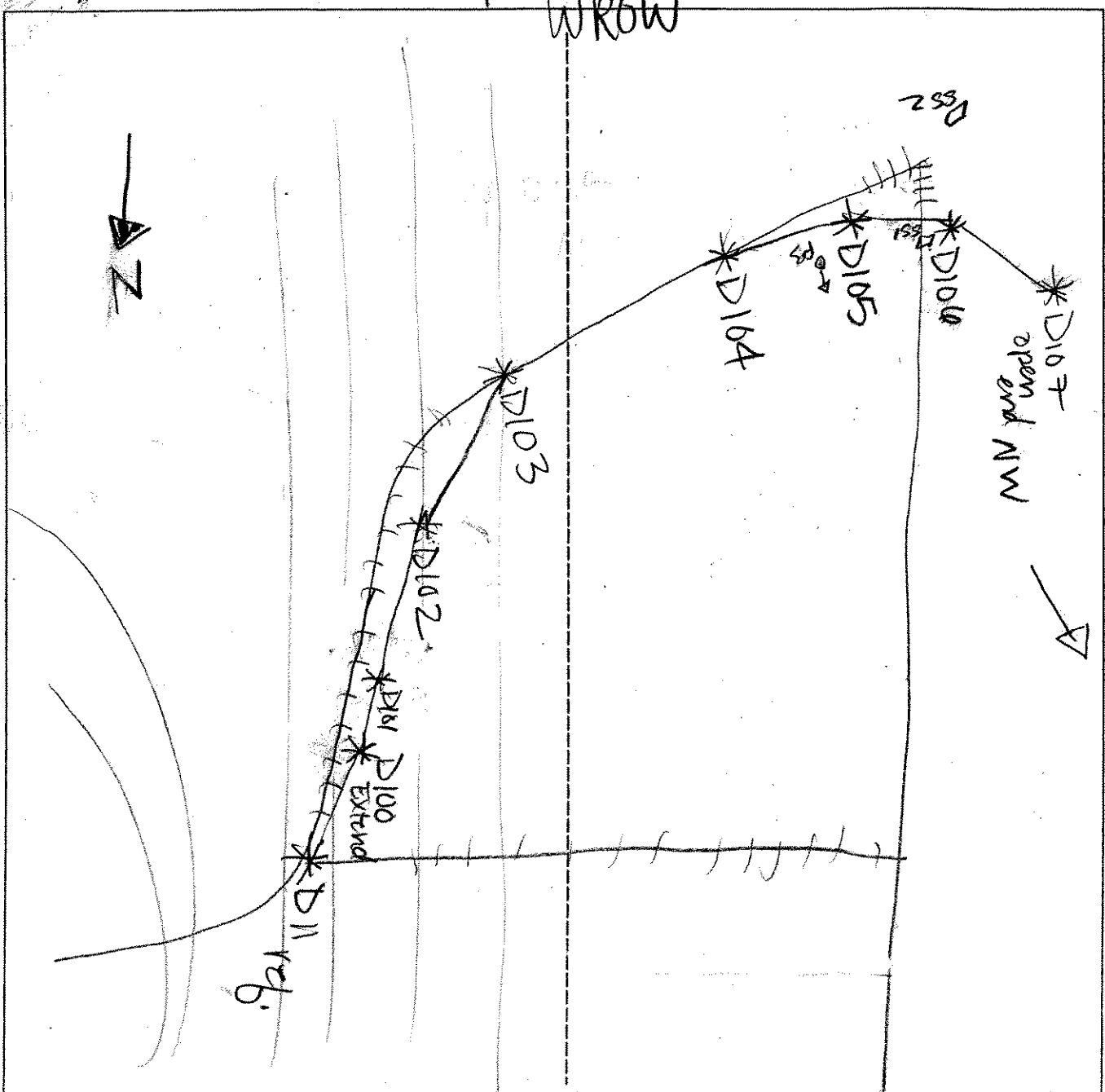
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: AR725D EXTENSION	Date: 4. Nov 07	Time:
Initials of Delineators: JV + AP	Location: AR725D	
Roll #:	Frames: photo 3 by D105 facing NW	



Legend	
PS O ▲	Photo Location/Direction
□	Sample Station
- - -	Centerline
△	Flag
∩	Wetland
U	Upland
— — —	Stream
- . . -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>PLD</u>	Date: <u>7-12-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wet</u> Transect ID: Plot ID: <u>AR 736 A SSI</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red top ( <i>A. alba</i> )	FACW	H	9.		
2. Corex vulpinoidea	OBL	H	10.		
3. Timothy	FACW	H	11.		
4. Tall Bluegrass ( <i>R. acris</i> )	FAC+	H	12.		
5. Gallium waltyni	NE	H	13.		
6. Red-corn-cob-weed	FACW+	H	14.		
7. Meadow fox tail ( <i>A. pratense</i> )	FACW	H	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-12-06  
 Community ID: wet  
 Plot ID: AR736A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	2.5Y 2.5/1	7.5YR 4/4	85%	Sandy loam
10-15	Bw	2.5Y 9/1	7.5YR 4/4	75%	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: - wet meadow Pic # 3 → E			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-12-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>UPland</u> Transect ID: Plot ID: <u>AR 736 A 552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>0</u>	Herb: <u>100</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Orchard Grass (D. glomerata)</u>	H	FACU	9.		
2. <u>Vernal Grass (A. odoratum)</u>	H	FACU	10.		
3. <u>Vetch (V. sativa)</u>	H	FACU-	11.		
4. <u>Calluna mollis</u>	H	NI	12.		
5. <u>Timothy</u>	H	FACU	13.		
6. <u>Trifolium pratense</u>	H	FACU-	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <u>low</u> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-12-06  
 Community ID: Upland  
 Plot ID: AR736A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/2	None		
10-20	Bw	10YR 5/4	None		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

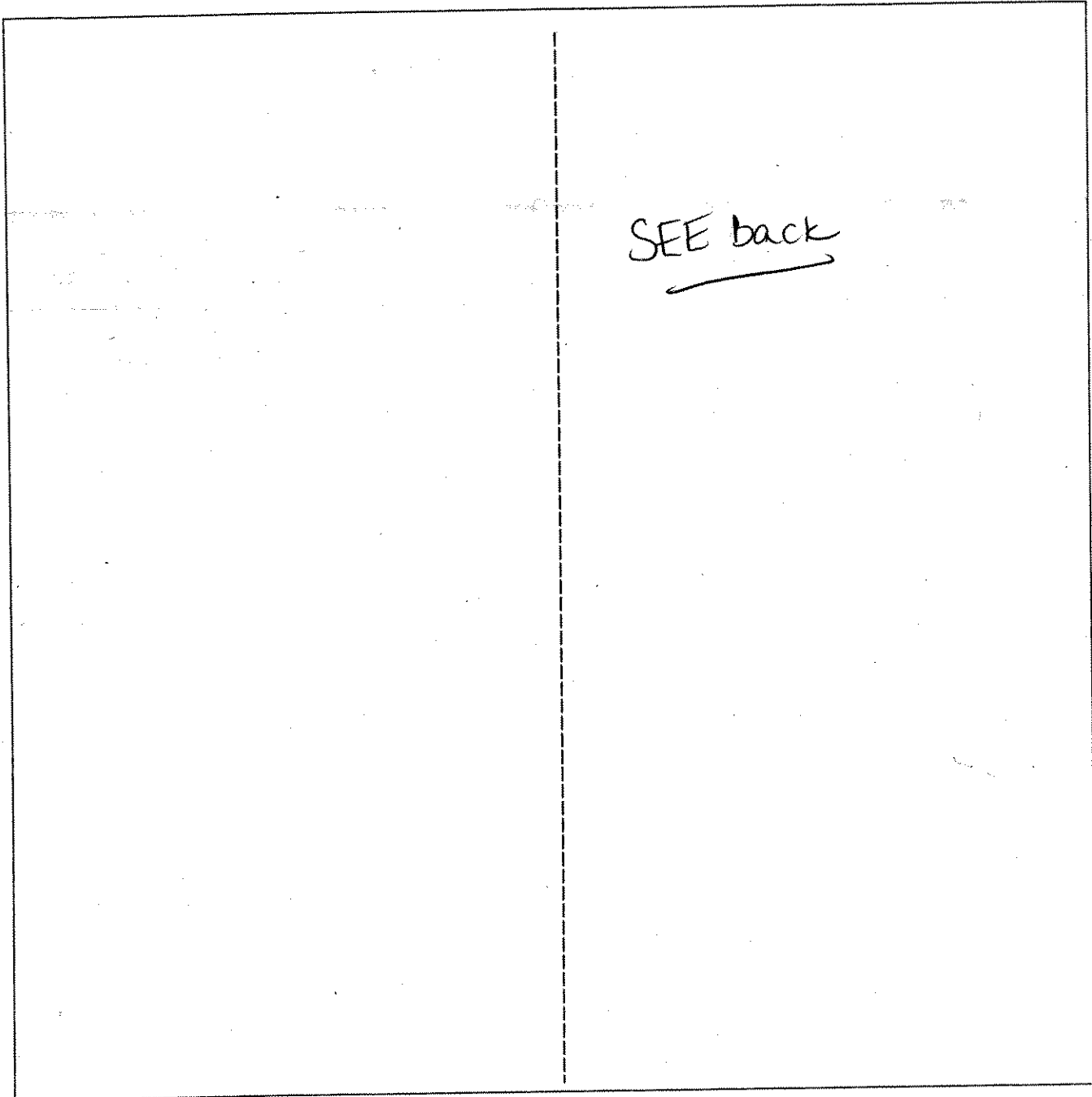
**WETLAND DETERMINATION**









Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	


Remarks

SKETCH FORM

Wetland ID/Route #: AR7360A	Date: 7-13-04	Time:
Initials of Delineators: BQ	Location: IC to turbine 161A	
Roll #:	Frames: photo facing South	

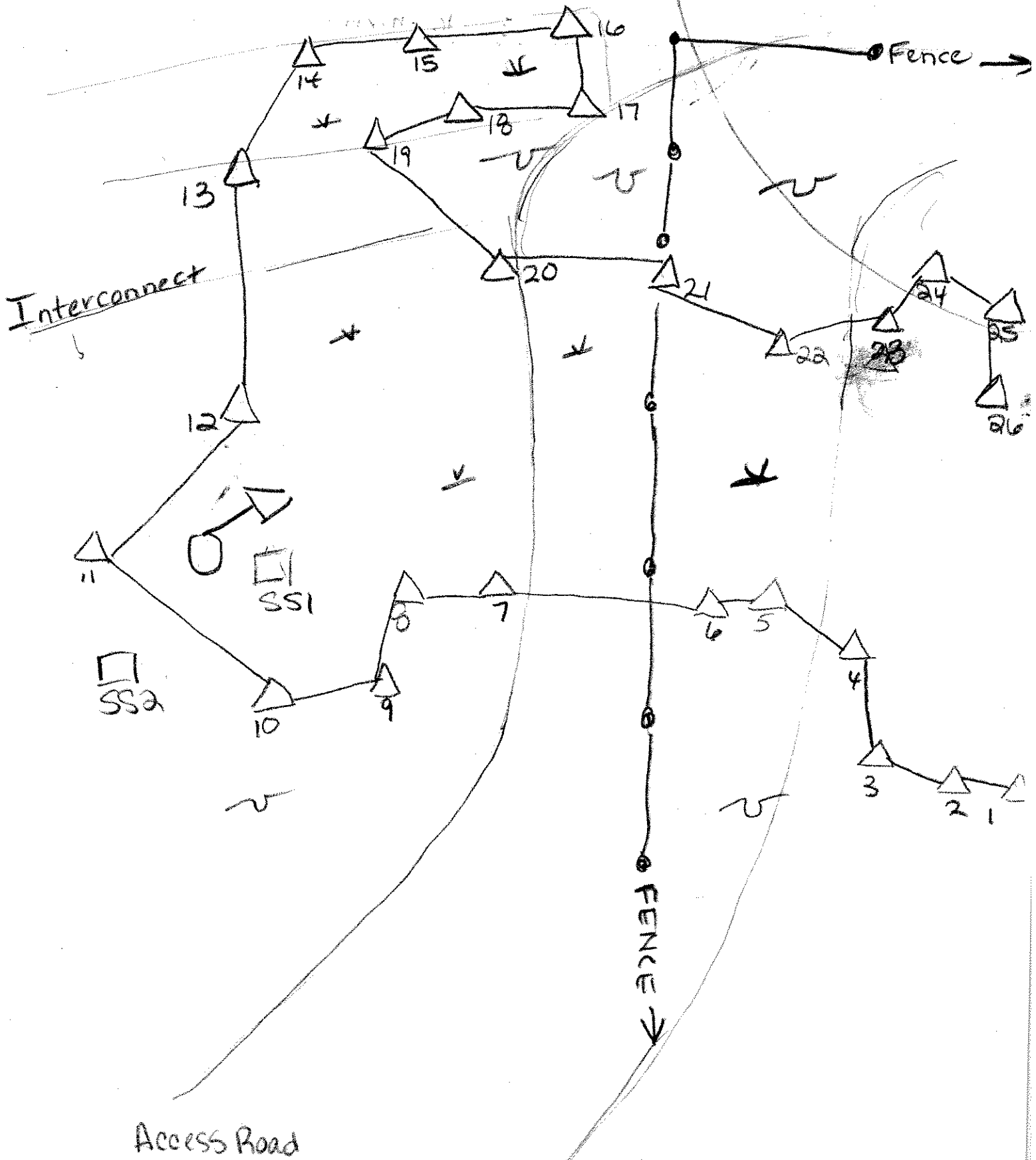


<b>Legend</b>	
 Photo Location/Direction	 Wetland
 Sample Station	 Upland
 Centerline	 Stream
 Flag	 Intermittent Stream





Turbine  
101A



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7-13-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>low</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: wet Transect ID: Plot ID: AR 737-A-SS1

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: 0	Shrub: 10	Herb: 90	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	H	OBL	9.		
2. <i>Juncus effusus</i>	H	FACW	10.		
3. tall <i>butyraceae</i>	H	FAC+	11.		
4. <i>Timothy</i>	H	FACU-	12.		
5. <i>Spiraea latifolia</i>	SH	FAC+	13.		
6. <i>Agrostis alba</i>	H	FACW	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 83%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 7-13-06  
 Community ID: wet  
 Plot ID:

IC 737-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A <sub>2</sub>	2.5 Y 2.5/1	7.5 YR 3/4 } 2.5 YR 5/1 }	> 5%	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - Soil heavily mixed by livestock  
 - heavy redox + low chroma redox in upper 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks  
 Pic # 2 → 9

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-13-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No <input type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 737-A-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>10</u>	Shrub: <u>15</u>	Herb: <u>80</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. white clover ( <i>T. repens</i> )	H	FACU-	9.		
2. <i>Agrostis alba</i>	H	FACW	10.		
3. <i>Plantago major</i>	H	FACW	11.		
4. red pine ( <i>P. resinosa</i> )	T	FACU	12.		
5. spined lot. <i>L. a.</i>	SH	FACU	13.		
6. <i>malva sp.</i>	T	-	14.		
7. <i>Heal All (D. vulgaris)</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>30%</u>					
Remarks: <u>veg browsed but good for determination</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>none</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	<u>None</u>
Remarks:	

Date: 7-13-06  
 Community ID: Upland  
 Plot ID:  
 ATZ 737 A 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap <sub>2</sub>	10YR 3/2	none		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - Soil extremely stony (hard) below 10"  
 - no redox in Ap

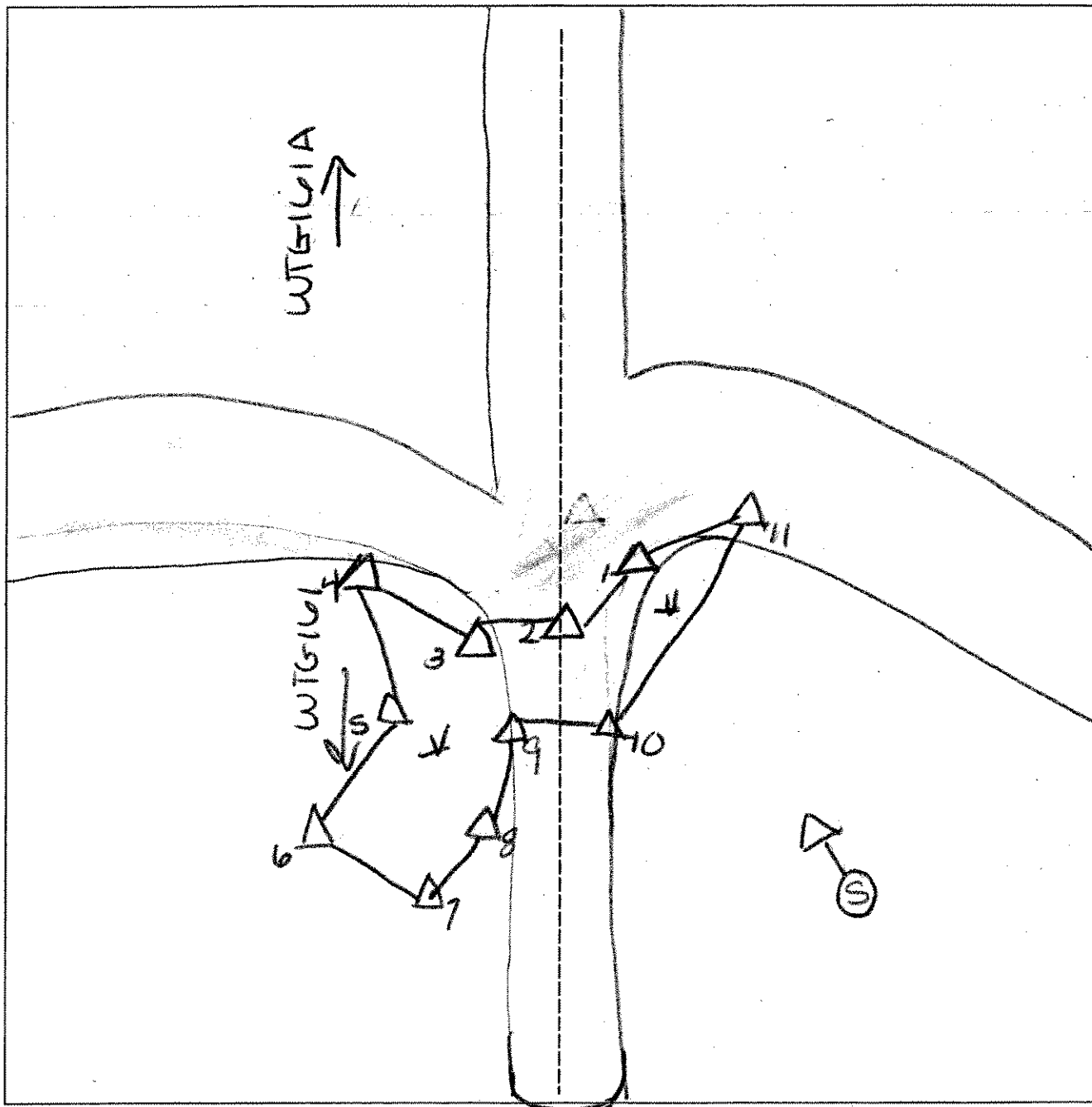
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

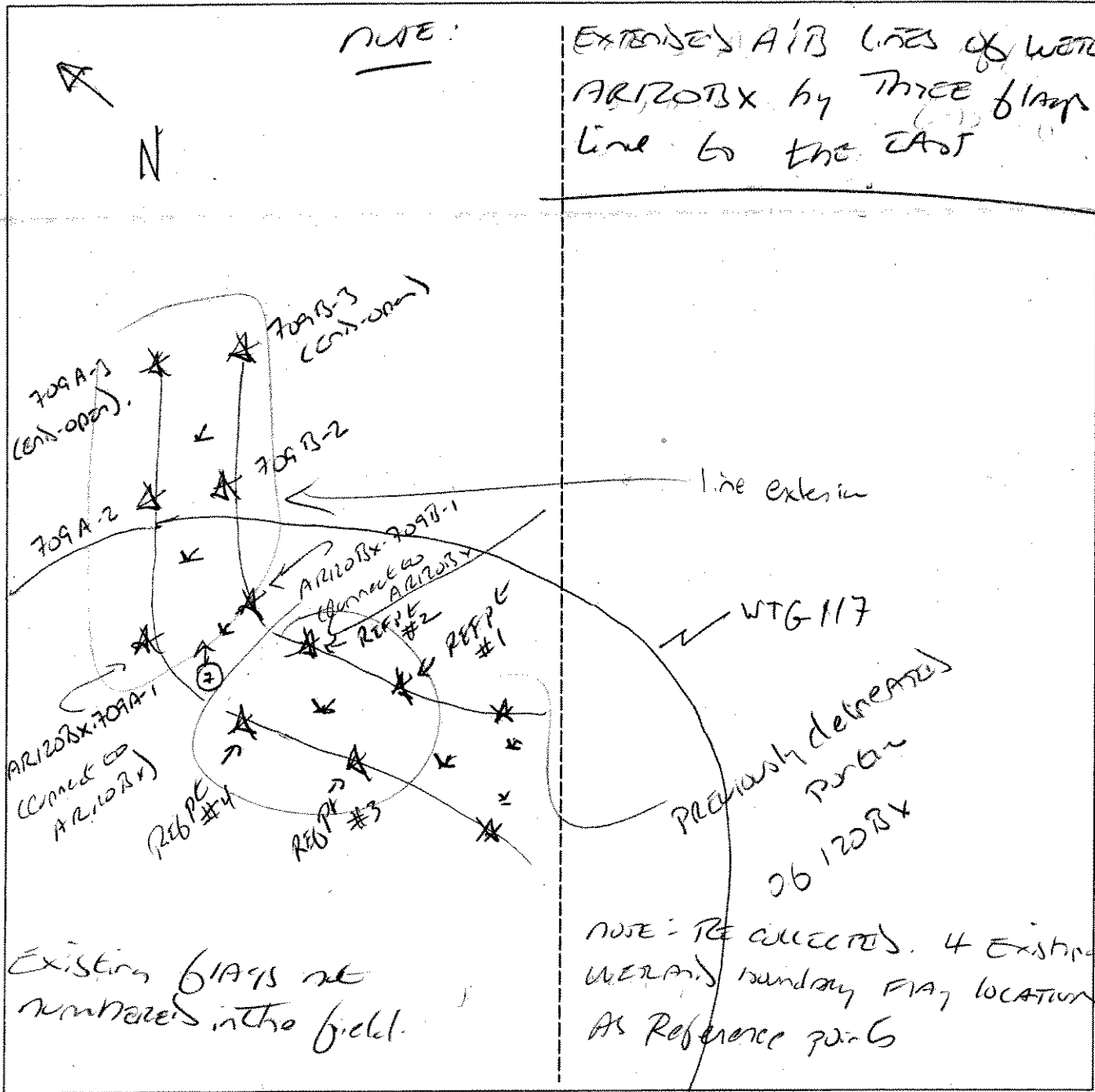
Wetland ID/Route #: <b>AK 737</b>	Date: <b>7-13-06</b>	Time:
Initials of Delineators: <b>BQ</b>	Location: <b>WTG Between 161 + 161A</b>	
Roll #:	Frames: <b>photo facing South</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: AR120BX-709A+B	Date: 5/10/06	Time: 1430
Initials of Delineators: [Handwritten initials]	Location: Turbine #117	
Roll #:	Frames: 7 => EAST AT EXTENSION	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>ISH, JV</i>	Date: <i>5/8/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 800A-531</i>

**VEGETATION**

Plant Community Classification: <i>PSS/PEM/PFO1</i>					
Percent Canopy Cover: Tree: <i>15</i> Shrub: <i>50</i> Herb: <i>95</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW+</i>	10.		
3. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Slope Bush</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Red Canary Grass</i>	<i>H</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>DEC wetland</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	



Date: 5/8/06  
 Community ID: wetland  
 Plot ID: AM 802A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O/A	10YR-2/1			Muck
3-12	B	10YR-5/2	10YR-2/1	Common / Fine / distinct	coarse silt
		10YR-3/3	10YR-3/3	Few / coarse / faint	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	---

Remarks: - refusal at 12 inches  
 - Mn concretions, Fe mottles, Mn mottles  
 > 50% in matrix

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: - pit #1 looks E @ SS1  
 - WL continues E along RR bed ~ 100 ft

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-8-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 802A-552</u>

**VEGETATION**

Plant Community Classification: Red Maple Deciduous Forest  
 Percent Canopy Cover: Tree: 90% Shrub: 70% Herb: 40% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Populus tremuloides</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Amelanchier <del>laevis</del> <u>laevis</u></u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Trount Lily *</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 66%

Remarks:  
  
x painted Trout Lily

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A 12"</u>	
Remarks:	

Date: 5-8-06  
 Community ID: Upland  
 Plot ID: ARE02A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1	—	—	Sandy loam
3-4	E	10YR 5/2	—	—	Sand w/ silt
4-12	A	7.5YR 4/10	—	—	Clay loam w/ roots

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

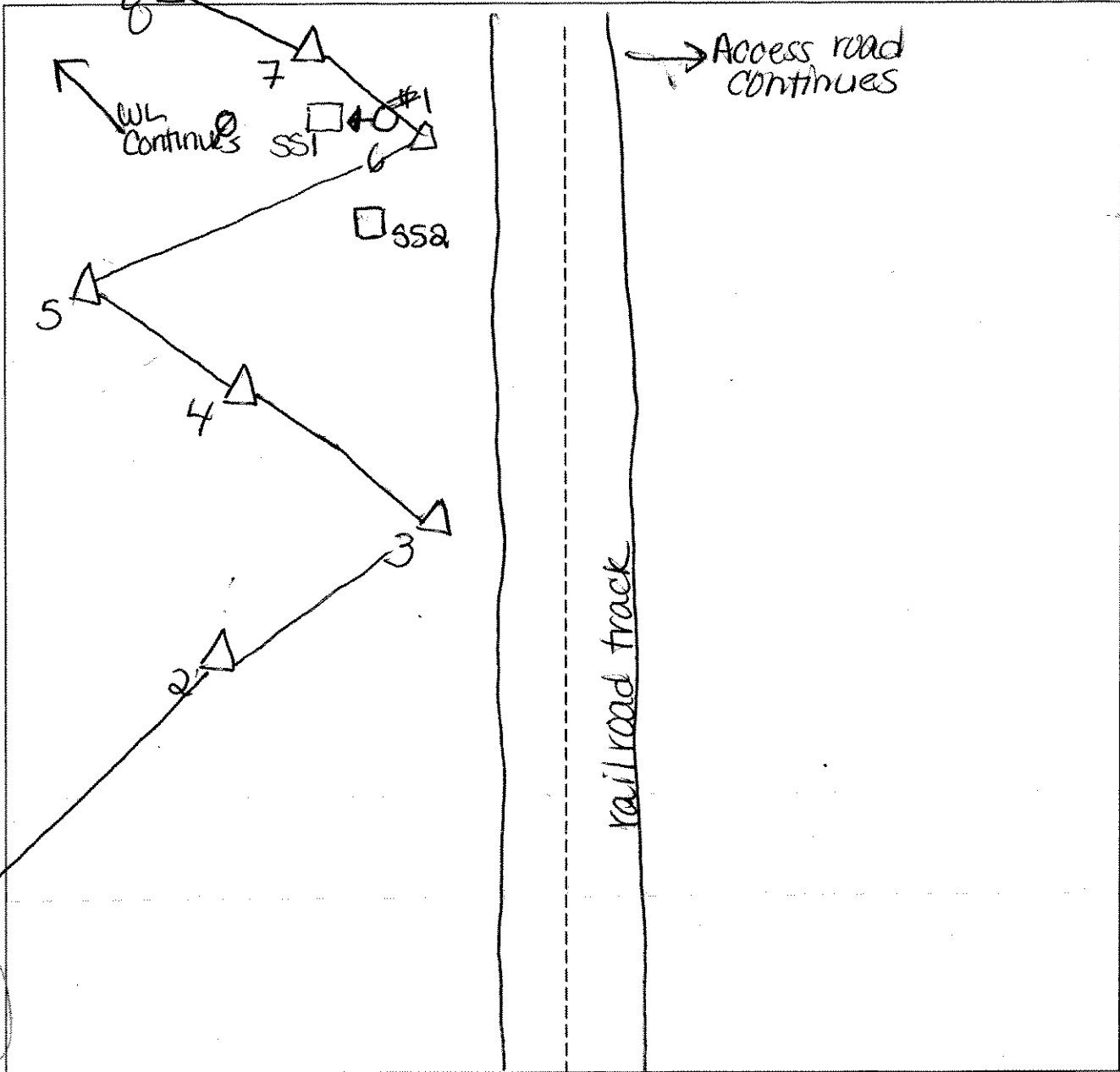
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

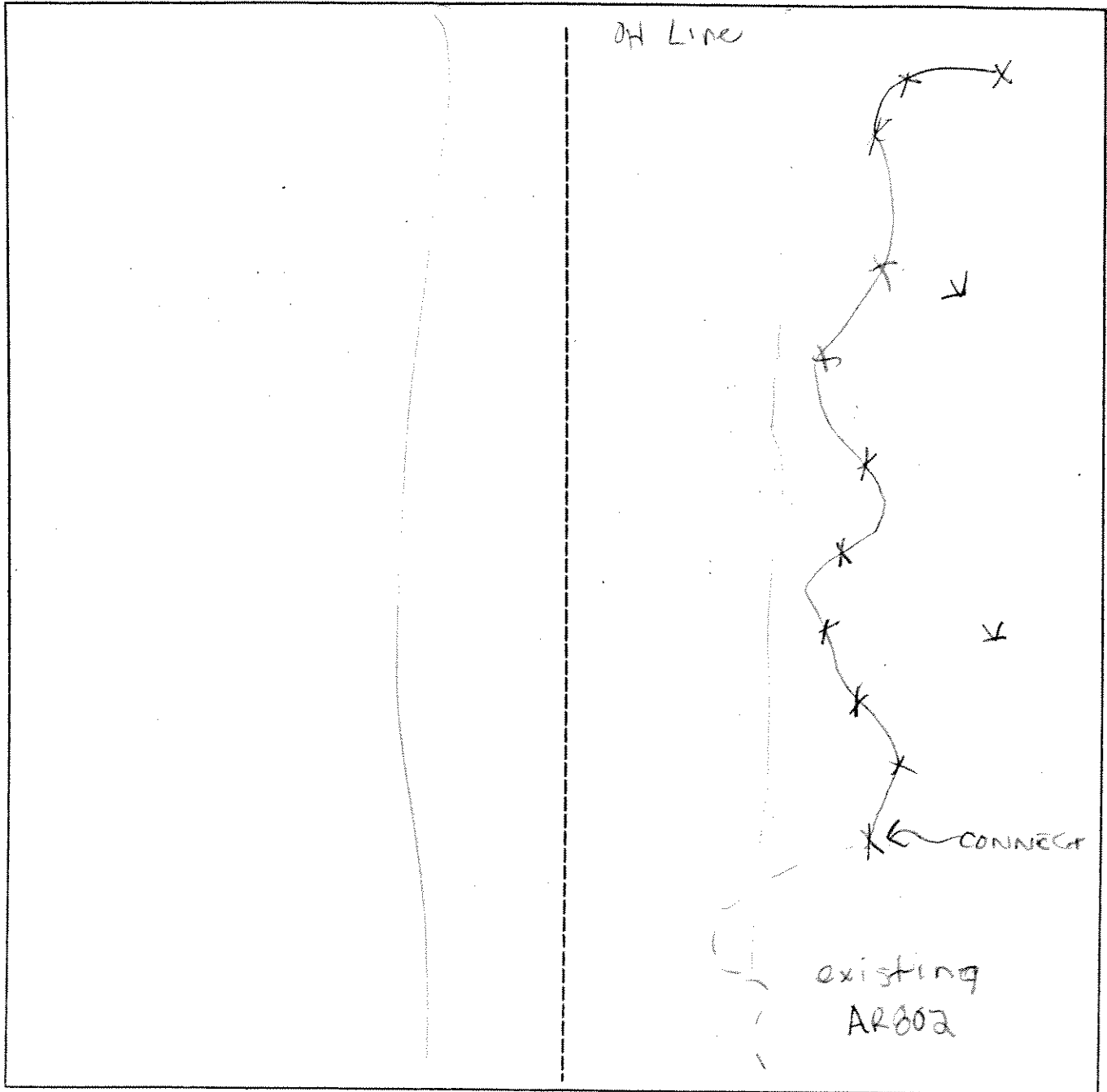
Wetland ID/Route #: <b>AR802A</b>	Date: <b>5-8-06</b>	Time:
Initials of Delineators: <b>RHJV</b>	Location: <b>Access road off railroad tracks</b>	
Roll #:	Frames: <b>1</b>	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream
	North Arrow		

SKETCH FORM

Wetland ID/Route #: AR802	Date: 11/7/06	Time: 1630
Initials of Delineators: JB JV	Location: OH From RR to C. Mills	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH, JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 803A/B-SSJ</i>

**VEGETATION**

Plant Community Classification: <i>PSS/PEM</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>50</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gow. Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Spotted Alder</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Softa Fern</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>Golden Rod sp</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Sewel weed</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>grass sp</i>	<i>H</i>	<i>-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>4</i>	
Remarks:	

Date: ~~AR 803~~ 5/9/06  
 Community ID: wetland  
 Plot ID: AR 803 A/B-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-2/1			silt loam / roots
2-6	A	10YR-2/1			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refused of Auger at 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: pit # 7 looks s @ SS1			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon and Powell LLC</i> Investigator: <i>KIK, JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 803 A/B-552</i>

**VEGETATION**

Plant Community Classification: <i>Hoplon/Red Maple Forest</i>					
Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>30</i> Herb: <i>10</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Populus tremuloides</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Vaccinium Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Trount Lilly</i>	<i>H</i>	<i>UPL*</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>* Not listed presumed upland</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>4</i>	
Remarks:	



Date: 5/9/06  
 Community ID: uplow  
 Plot ID: R803A/B-852

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	A <sub>1</sub>	7.5YR-3/2			dry loam
2-6	A <sub>2</sub>	7.5YR-3/3			dry loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *refused of auger 6 inches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>RH JV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR803B - 554</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PTA/OW in parts/PEM</u>					
Percent Canopy Cover: Tree: <u>2</u> Shrub: <u>70</u> Herb: <u>95</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Red Top Sp</u>	<u>H</u>	<u>-</u>	10.		
3. <u>Gross sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Cattail</u>	<u>H</u>	<u>OBL</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>2nd set of data sheets for AR803 A/B/C wetland</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>5</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-10-06  
 Community ID: Wetland  
 Plot ID: AR203B SS 3

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1			sandy silt / roots
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>10' trial of auger @ 6 inches</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
<i>photo #1 =&gt; S. toward stream          #2 =&gt; S toward wetland at AR203B</i>			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR803B - S54</u>

**VEGETATION**

Plant Community Classification: <u>roadside, mowed grass</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>15</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Great Burdock</u>	<u>H</u>	<u>UPL</u>	11.		
4. <u>Dandelion</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Grass SP</u>	<u>H</u>	<u>—</u>	13.		
6. <u>Red Clover</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Wild Madder</u>	<u>H</u>	<u>*UPL</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u> <u>20%</u>					
Remarks: <u>2nd set of data sheet for wetland AR803A/B/C</u> <u>*not listed, presumed upland</u> <u>Samples collected roadside</u> <u>*not SP</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-10-06  
 Community ID: Upland  
 Plot ID: AR 0031B - SS2

**SOILS**

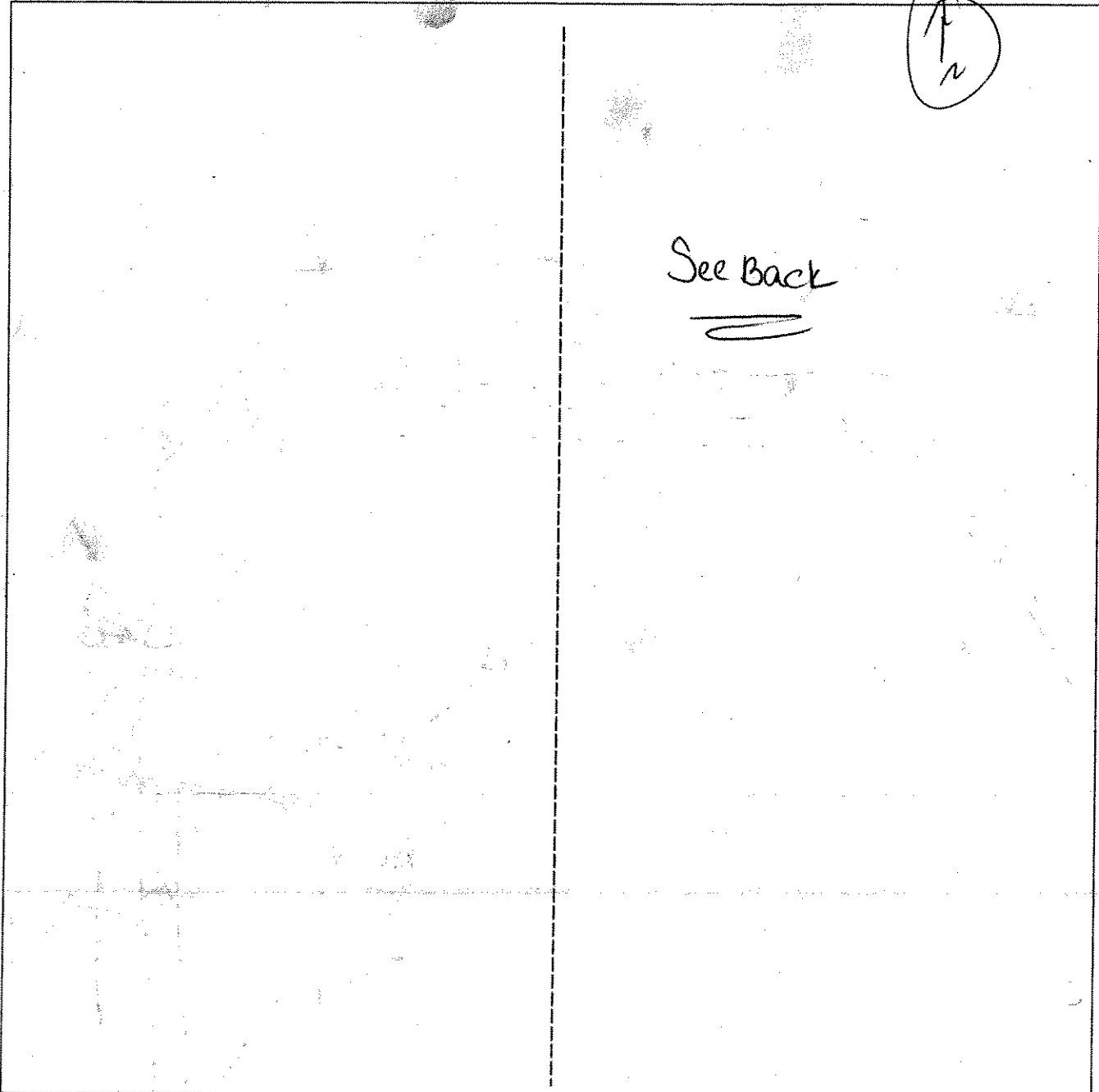
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	Ap <sub>1</sub>	7.5YR-3/3			Sandy loam / part
12-18	Ap <sub>2</sub>	7.5YR-3/3			Sandy Gravel
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Fill for road is the upland soil					

**WETLAND DETERMINATION**

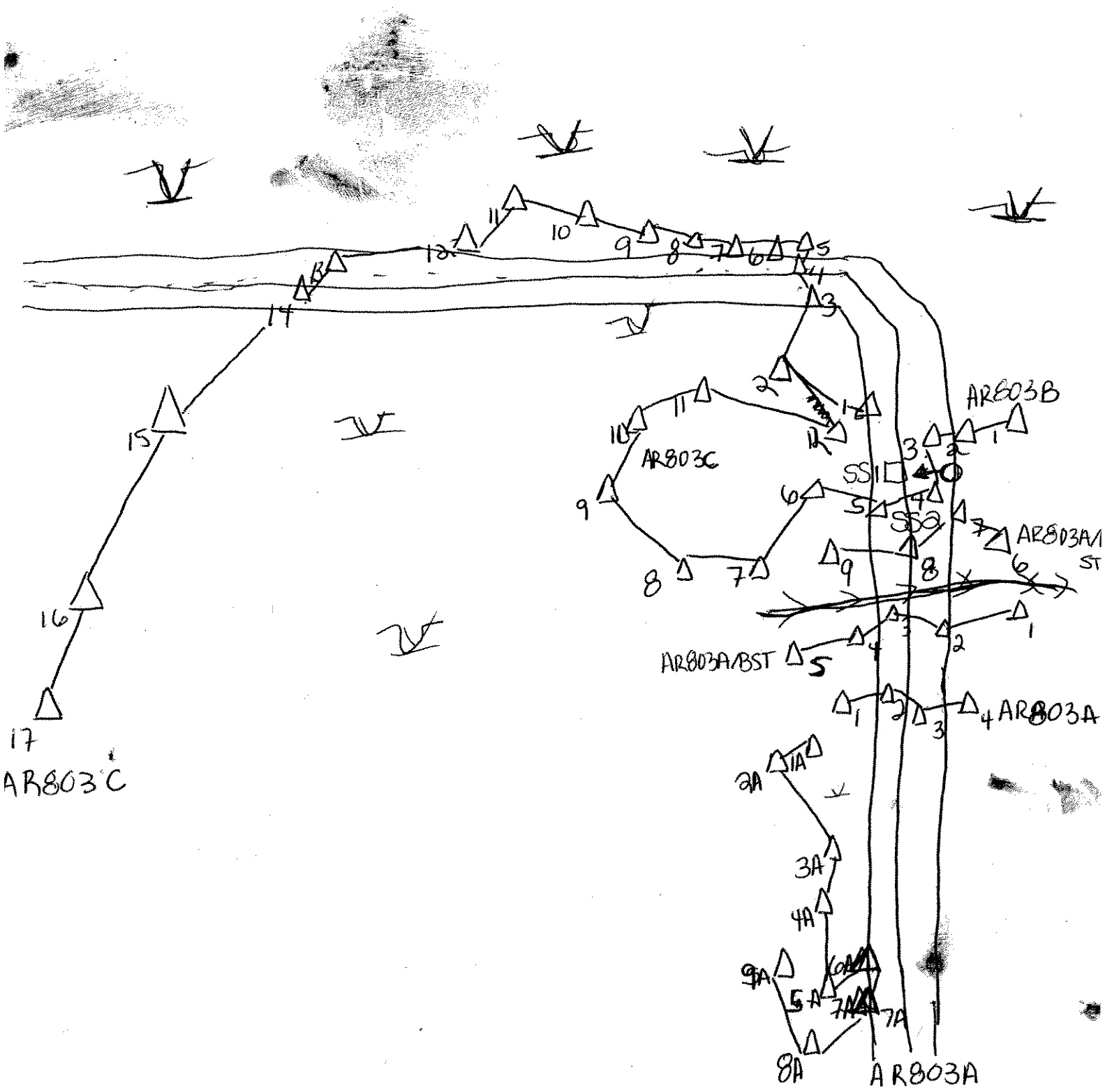
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

**SKETCH FORM**

Wetland ID/Route #: <i>AR 803 A/B</i>		Date: <i>5/9/06</i>	Time:
Initials of Delineators: <i>KAH, JV</i>		Location: <i>AR South of Clinton Mills Rd</i>	
Roll #: <i>15H</i>	Frames: <i>7, 8, 9</i>	<i>N of WB 146-1A</i>	

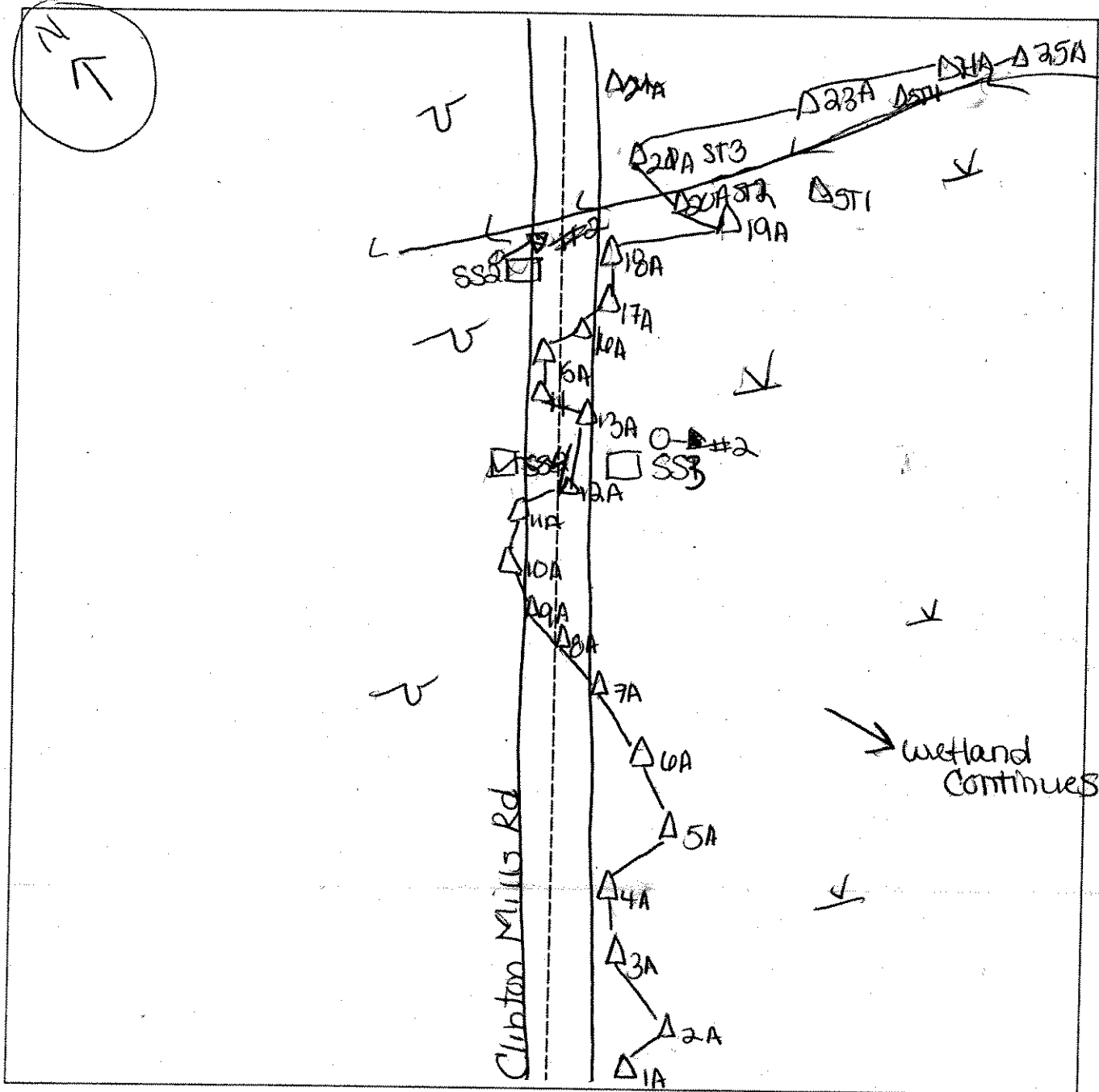


<b>Legend</b>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream



SKETCH FORM

Wetland ID/Route #: AR803B / ST		Date: 5-10-06	Time:
Initials of Delineators:		Location: Clinton-Mills Rd	
Roll #: KH	Frames: 1, 2	(Extension of AR 803A/B/C + ST Sketch)	



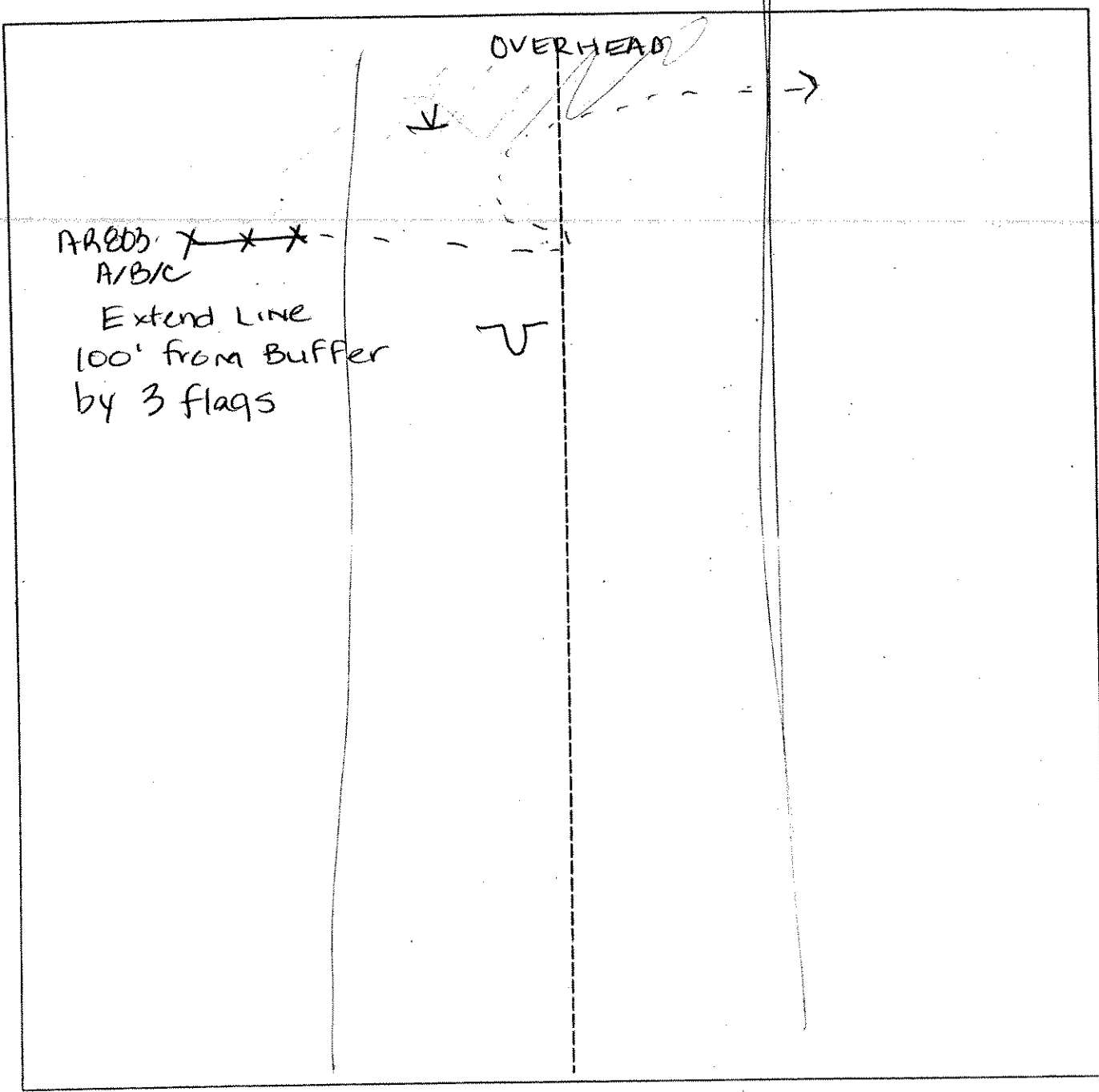
Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



Line Extension

SKETCH FORM

Wetland ID/Route #: AR003 A/B/C	Date: 8/26/06	Time:
Initials of Delineators: KF, AG, DO, TV	Location: OH E of Clinton Mills Rd	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind power LLC</u> Investigator: <u>RW</u>	Date: <u>5-8-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PFO1-Wetland</u> Transect ID: Plot ID: <u>AR804A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PFO1</u> Percent Canopy Cover: Tree: <u>90%</u> Shrub: <u>50%</u> Herb: <u>20%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>F</u>	<u>FAC</u>	9.		
2. <u>Populus grandidentata</u>	<u>FACW</u>	<u>FACU</u>	10.		
3. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Sphagnum sp.</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Moss sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Acer rubrum</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Amelanchier canadense</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Naccortium angustifolium</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks:  <u>Sphagnum not thru entire area but is common</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>1"</u> Depth to Free Standing Water in Pit (in.): <u>1"</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:  <u>Inundated in selected areas due to shallow bedrock</u>	

Date: 5.8.06  
 Community ID: Wetland  
 Plot ID: AR804-A SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations			
		Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-2/1			organics
3-8	A <sub>1</sub>	10YR-3/2	10YR-4/4	common/coarse/dist	sandy silt
8-12	A <sub>2</sub>	2.5Y-5/2	2.5Y-5/6	common/coarse/distinct	sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
photo # 3 => SWN			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-8-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>ARE001A-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Maple Deciduous</u> Percent Canopy Cover: Tree: <u>90</u> % Shrub: <u>0</u> % Herb: <u>15</u> % Vine: <u>0</u> %					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC-</u>	11.		
4. <u>Amelanchier</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>ycopodium dendroideum</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-8-06  
 Community ID: Upland  
 Plot ID: A800A-SS2

**SOILS**

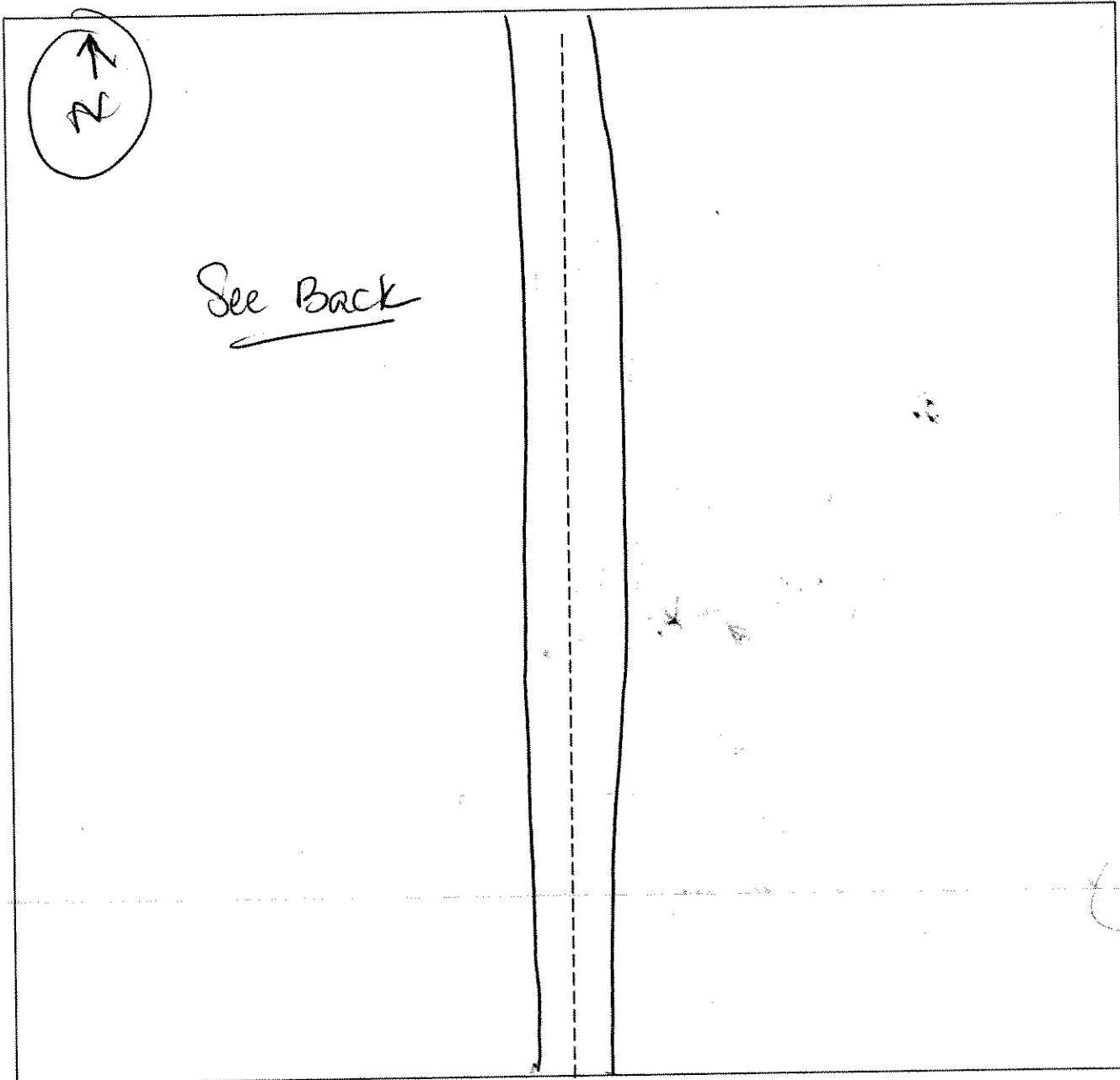
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	-	-	-	roots and peat
1-2	A	10YR-2/1	-	-	silt loam
2-3	E	7.5YR-4/2	-	-	silt sand
3-8	B	10YR-4/6	-	-	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Auger refused at 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

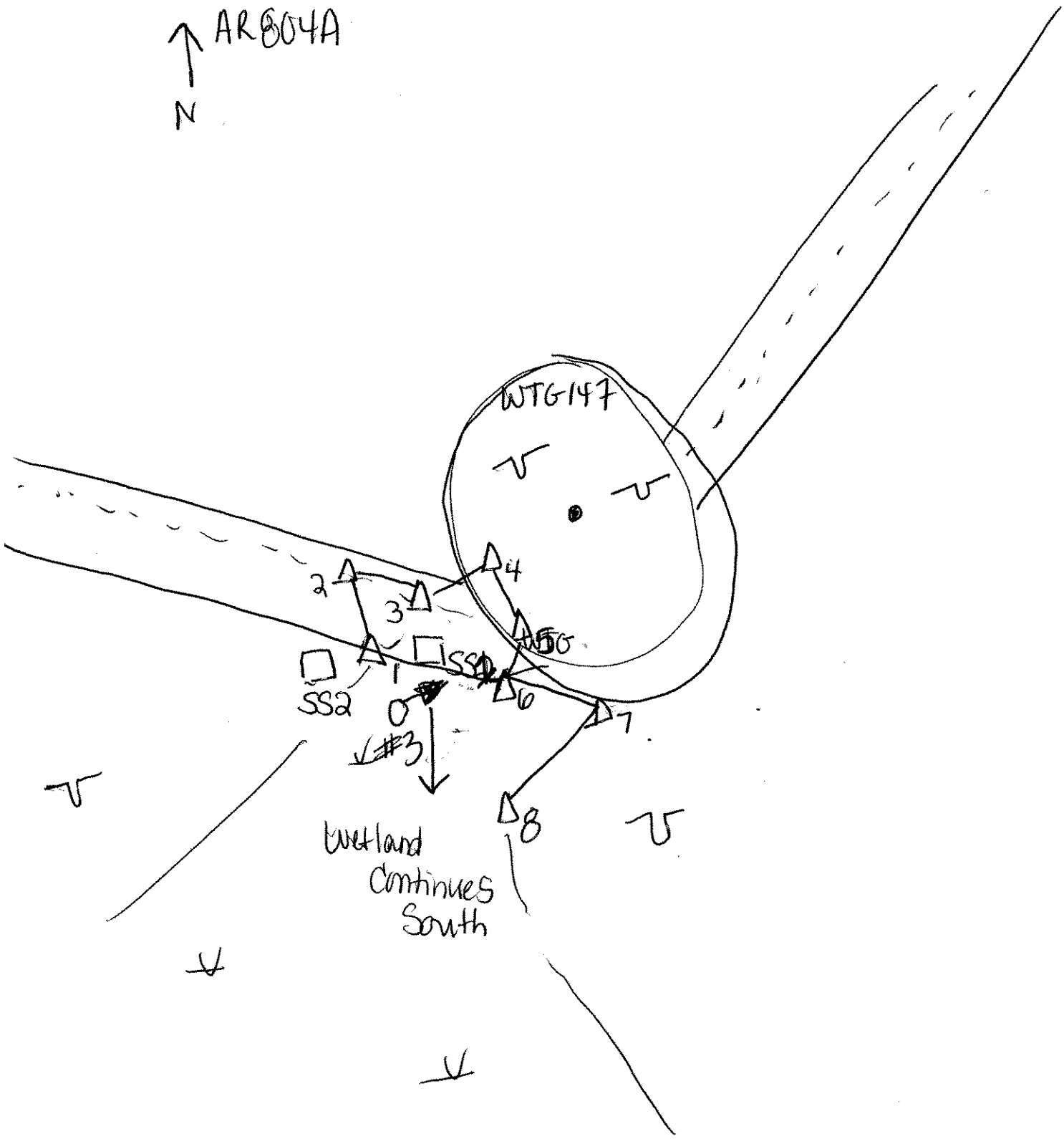
SKETCH FORM

Wetland ID/Route #: AR804A	Date: 5-8-06	Time:
Initials of Delineators: KHJV	Location: ARood to WTC 147	
Roll #: KH	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

↑ AR 804A  
N



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Noble Bros</i> Applicant/Owner: <i>Horizon and Penn LLC</i> Investigator: <i>KM, JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 805 A/B</i>

**VEGETATION**

Plant Community Classification: <i>PT01/PEM</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>30</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alar Mibum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Alar Mibum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Moss SP</i>	<i>H</i>	<i>-</i>	13.		
6. <i>S Phragmites</i>	<i>H</i>	<i>OBL*</i>	14.		
7. <i>Rubus sp</i>	<i>H</i>	<i>FACW</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks:  <i>*NOT listed; Assume OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>16</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	



Date: 5/9/06  
 Community ID: wetland  
 Plot ID: ARBOS A/B

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O				Peat/Sphagnum
3-4	A	10YR-2/1			clay loam / roots
4-6	B	10YR-4/1			sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of auger at 6 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: pix# 6 looks like a SSI

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Mackie Annex</i> Applicant/Owner: <i>Horizon and Power LLC</i> Investigator: <i>HH JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upad</i> Transect ID: Plot ID: <i>AA805A/B</i>

**VEGETATION**

Plant Community Classification: <i>Beech Maple Moss Forest</i> Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>50</i> Herb: <i>70</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula pumila</i>	T	FACW	10.		
3. <i>Acer rubrum</i>	S	FAC	11.		
4. <i>Tree like club Moss</i>	H	FACW	12.		
5. <i>Carex Myxophora</i>	H	FAC-	13.		
6. <i>Bracken fern</i>	H	FACW	14.		
7. <i>Trailing club Moss</i>	H	FACW	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>28%</i>					
Remarks: <i>Some speckled Alder in areas of wetland</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 5/9/06  
 Community ID: upland  
 Plot ID: AA 805 AB

**SOILS**

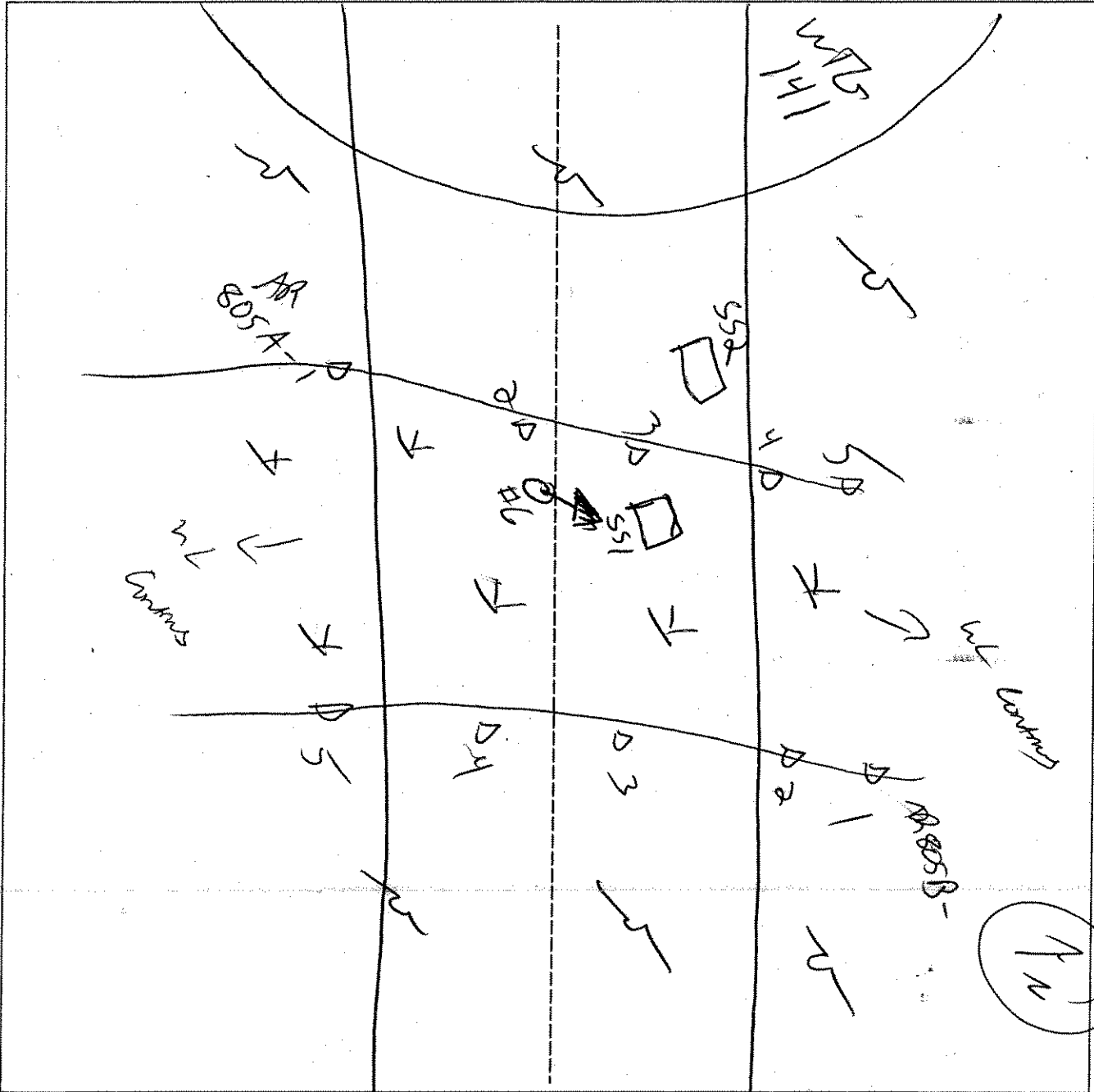
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			10cm roots
1-2	A	10YR-2/1			10cm roots
2-3	E	10YR-4/2			sand
3-6	B <sub>1</sub>	7.5YR-4/6			clay loam
6-12	B <sub>2</sub>	7.5YR-4/4			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of auger 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	
Remarks			

SKETCH FORM

Wetland ID/Route #: <i>AR 805 AD</i>	Date: <i>5/9/06</i>	Time:
Initials of Delineators: <i>KH, JV</i>	Location: <i>East of WB 141</i>	
Roll #: <i>VH</i>	Frames: <i>6 - North</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KFI JV</i>	Date: <i>5-10-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR807A-SSI</i>

**VEGETATION**

Plant Community Classification: <i>PFO1PSS</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>50</i> Herb: <i>60</i> Vine: <i>2</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Coarcted Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Coarcted Birch</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Herb Rubus</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Sphagnum</i>	<i>H</i>	<i>*OBL</i>	12.		
5. <i>Gelder Hood sp</i>	<i>A</i>	<i>-</i>	13.		
6. <i>Moss sp</i>	<i>H</i>	<i>-</i>	14.		
7. <i>Comada Mungflower</i>	<i>H</i>	<i>FAC-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks: <i>non growth, trees almost all same size</i> <i>-logged somewhat recently</i> <span style="float: right;"><i>* preserved OBL</i></span>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>3 in water wts</i> Depth to Free Standing Water in Pit (in.): <i>1</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5-10-06  
 Community ID: Wetland  
 Plot ID: AR07A - SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1			organics/roots
6-12	E	10YR-5/2			Sandy clay
6-12	B <sub>1</sub>	10YR-4/2	7.5YR-5/8	Many/large/distinct	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of auger @ 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: pit # 5 looks S @ SSI			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>RHJV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR807A - S52</u>

**VEGETATION**

Plant Community Classification: <u>Poplar Forest</u>	Tree: <u>50</u>	Shrub: <u>50</u>	Herb: <u>10</u>	Vine: <u>0</u>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Green Birch</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer Rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Common Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Spotted Lily</u>	<u>H</u>	<u>UPL</u>	12.		
5. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Acer Rubrum</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>					
Remarks: <u>* Not indicated / presumed upland</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-10-06  
 Community ID: Upland  
 Plot ID: ARE07A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O/A	10YR-2/1	—	—	Sandy silt loam
1-10	<del>E</del> E	7.5YR-4/2	—	—	Sandy clay w/ roots
10-12	<del>B</del> B	7.5YR-4/4			

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Refusal at 12" ; potential disturbance from previous logging activities

**WETLAND DETERMINATION**

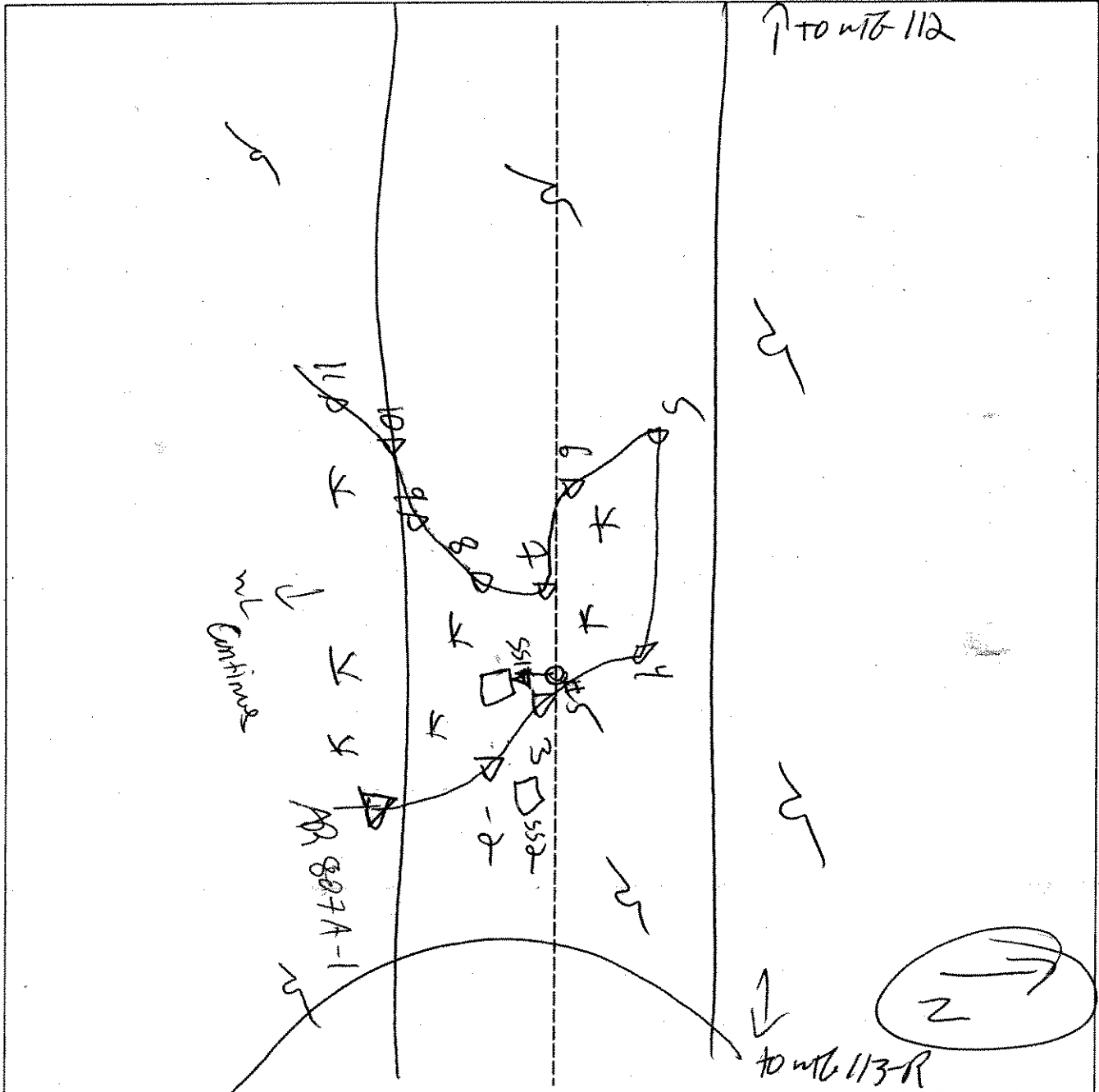
Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks



SKETCH FORM

Wetland ID/Route #: NR 807A	Date: 5/10/06	Time:
Initials of Delineators: KA, JV	Location: WTG-113B-112	
Roll #: KA	Frames: 5	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon and Power LLC</i> Investigator: <i>WHA, JV</i>	Date: <i>5/11/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AP808A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PP01</i> Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>30</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Corylus Bicoch</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>Acer Rubrum</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	12.		
5. <i>Carex Muehlenbergii</i>	<i>H</i>	<i>FAC-</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>* presumed obligate</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>2</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5/11/06  
 Community ID: wetland  
 Plot ID: AR 808A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1	—	—	Organics/silt/roots
1-6	E	2.5Y-5/2	2.5Y-5/6	Common/coarse/faint	Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: disturbed soils from logging - wheel ruts from the wetland removal @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks  Photo #1 => NW at S51			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-11-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR009A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PF01/PSS</u>					
Percent Canopy Cover: Tree: <u>30</u> Shrub: <u>50</u> Herb: <u>50</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>
2. <u>Corylus Bork</u>	<u>T</u>	<u>FAC</u>	10. <u>Golden Rod sp.</u>	<u>H</u>	<u>-</u>
3. <u>Cory Bork</u>	<u>S</u>	<u>FAC</u>	11. <u>wood fern</u> ←	<u>H</u>	<u>FACT</u>
4. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Wild Ginger</u> ⊕	<u>H</u>	<u>⊕</u>	13.		
6. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Sphagnum</u>	<u>H</u>	<u>⊕</u>	15.		
8. <u>Moss sp</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>87%</u>					
Remarks: <u>⊕ presumed Obligate</u> <u>⊕ not identified</u> <u>⊕ Identified in office as Sarsaparilla</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-11-06  
 Community ID:  
 Plot ID: AR 809A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
A/E					
0-5	A/E	2.5YR-3/1			Silt / clay
5-6	E <sub>2</sub>	2.5Y-4/2			sandy silt

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - Soils highly disturbed by logging  
 - refusal of auger 6 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks  
 pix # 2 looks SC SS1

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Mandale River</u> Applicant/Owner: <u>Horizon Windpower LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-11-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR809A-SS2</u> <u>AR809A - SS2</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous Forest Mix</u> Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>10</u> Herb: <u>15</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	9. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>
2. <u>Grey Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Quaking Aspen</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Grey Birch</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Canada mayflower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Goldenrod sp</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Black Raspberry</u>	<u>H</u>	<u>FACU-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>38%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>8"</u>	
Remarks:	

Date: 5-11-06  
 Community ID: Upland  
 Plot ID: AR808A-SS2  
 AR809A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1	-	-	Leaves/om
0-6	A <sub>1</sub>	7.5YR-3/3	-	-	Silt loam
6-12	A <sub>2</sub>	7.5YR-3/4	-	-	Sandy silt
12-18	A <sub>3</sub>	10YR-4/4	-	-	Sandy silt

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 12-18" inclusions of inclusions  
 soils disturbed by logging

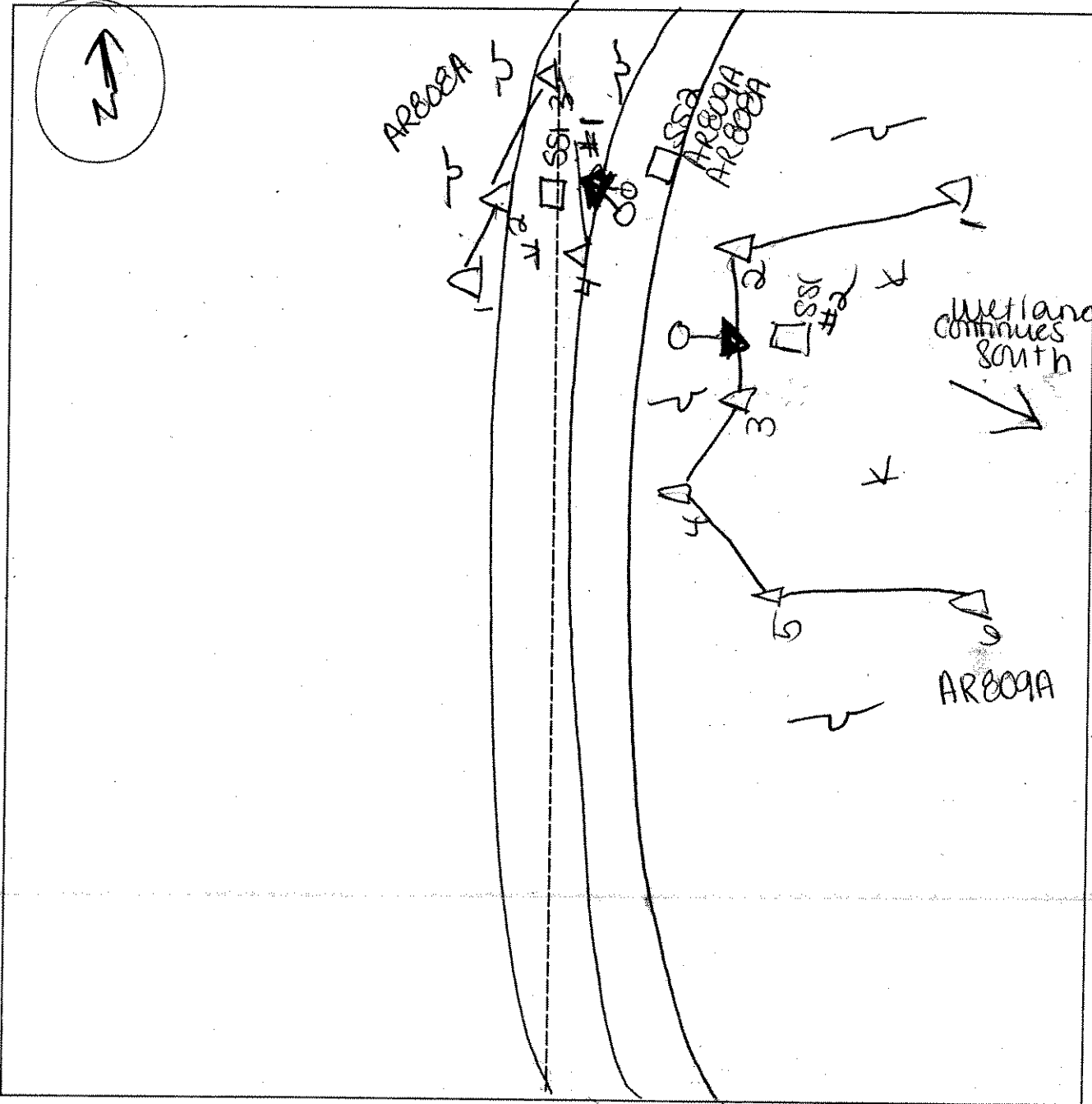
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks  
 shared upland point AR808A + AR809A

SKETCH FORM

Wetland ID/Route #: AR808A, AR809A	Date: 5-11-06	Time:
Initials of Delineators: KHJV	Location: Access road to turbine WIG-113R	
Roll #:	Frames: 1 facing NW at AR808ASS1 and 2 facing S at AR809ASS1	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

ARB09A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PF01</u> Transect ID: Plot ID: <u>ARB09 A 551</u>

**VEGETATION**

Plant Community Classification: <u>Red maple mesic</u> Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>45</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Morus nigra</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Phragmites</u> <u>50%</u>	<u>H</u>	<u>OBL</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>4"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/10/07  
 Community ID: wetland soil  
 Plot ID: AR809 A

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1			silt
4-8	A	10YR 4/2	2.5Y 6/2	light, fin, fine	clay loam
8-12	B	2.5Y 5/4			sandy loam

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: saturated @ 0", standing H<sub>2</sub>O imp @ 4"

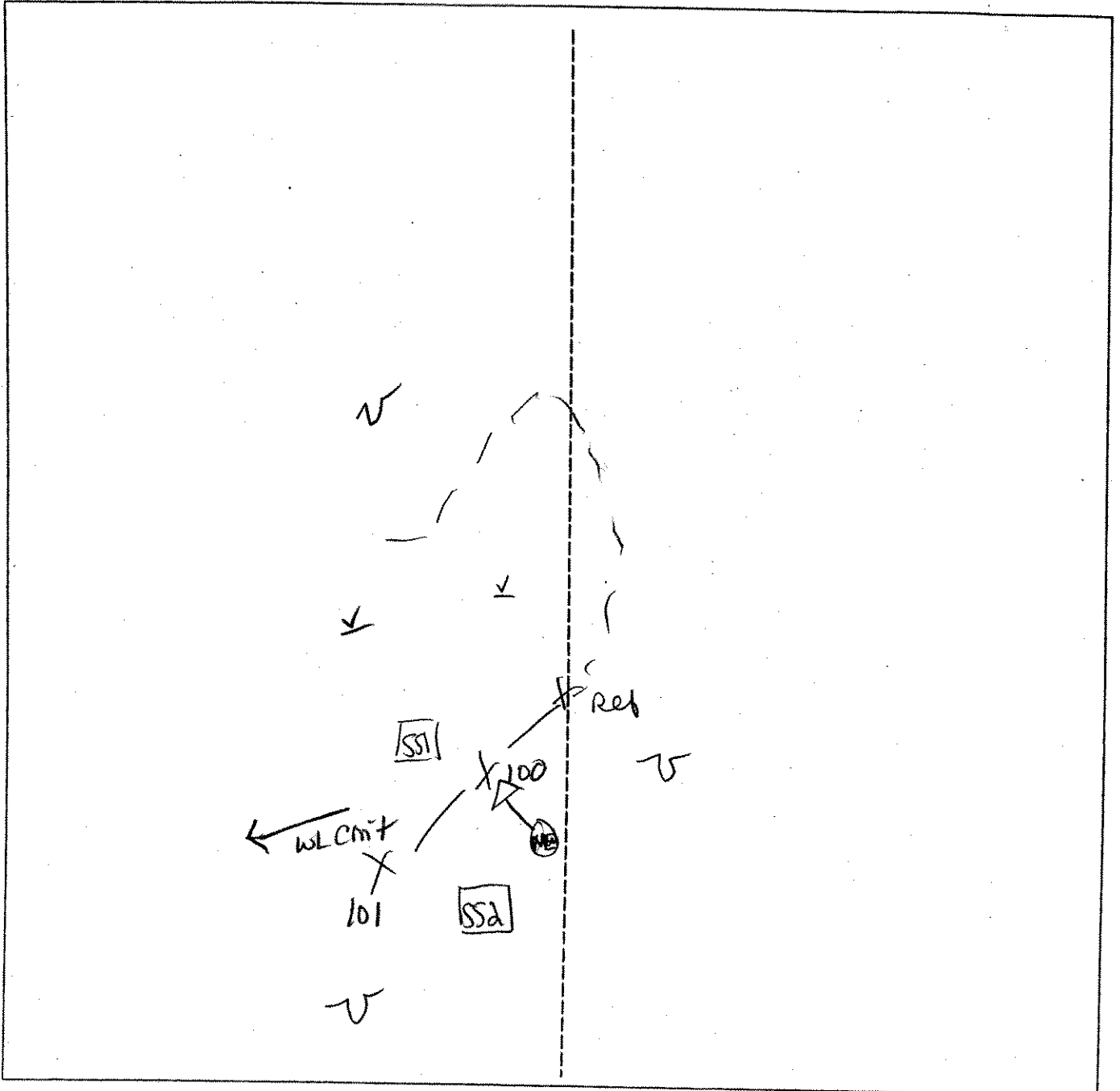
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks mapped NWI WL  
 @ photo = NE

**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR009 A EXTENSION	<b>Date:</b> 5/10/07	<b>Time:</b>
<b>Initials of Delineators:</b> JV AP	<b>Location:</b> T. 12	
<b>Roll #:</b>	<b>Frames:</b> 2 NE	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River River, LLC</u> Applicant/Owner: <u>MARBLE River River, LLC</u> Investigator: <u>JAN, JV</u>	Date: <u>5/15/06</u> County: <u>Clinch</u> State: <u>NT</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>WERAM1</u> Transect ID: <u>AR816A</u> Plot ID: <u>SSI</u>

**VEGETATION** PKO/PSS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>60</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MARSH SWEET</u>	<u>S</u>	<u>FACW</u>	9. <u>MAY GLOVER</u>	<u>H</u>	<u>FAC-</u>
2. <u>SERVICE BERRY</u>	<u>S</u>	<u>FAC</u>	10. <u>CLUB MUSH</u>	<u>H</u>	<u>FAC</u>
3. <u>GRAY HORSE</u>	<u>S/T</u>	<u>FAC</u>	11. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>
4. <u>RED MAPLE</u>	<u>S/T</u>	<u>FAC</u>	12.		
5. <u>DEAK WILLOW</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>LD. BLEBBY</u>	<u>H/S</u>	<u>FACU-</u>	14.		
7. <u>SPLASH MUSH</u>	<u>H</u>	<u>OBL-</u>	15.		
8. <u>CAREX SP</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>72%</u>					
Remarks:  <u>* Not listed; presumed OBL</u>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift Lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>4"</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>0</u></p> <p>Depth to Saturated Soil (in.): <u>0</u></p>	<p>Remarks:</p>

Date: 5/15/06  
 Community ID: WETLAND  
 Plot ID:

AR 816A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	O	2.5YR 5/3	—	—	DEPT
12-17	A	10YR 2/1	—	—	rk silt
17-18	B	10YR 6/2	—	—	silty clay

Hydro Soil Indicators

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No	
Wetlands Hydrology Present?	Yes	No				
Hydric Soils Present?	Yes	No				
Remarks						

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MORISIE River</u> Applicant/Owner: <u>MORISIE River, LLC</u> Investigator: <u>RAD, JV</u>	Date: <u>5/15/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR816A</u> Plot ID: <u>552</u>

**VEGETATION** Upland Decid Forest

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>75</u> Herb: <u>60</u> Vine: <u>X</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>GRAY birch</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Trailing Club Moss</u>	<u>H</u>	<u>FACU-</u>
2. <u>RED maple</u>	<u>T/S</u>	<u>FAC</u>	10. <u>American Beech</u>	<u>S</u>	<u>FACU</u>
3. <u>L.D. Blueberry</u>	<u>S-</u>	<u>FACU-</u>	11.		
4. <u>may flower</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>BRACKEN fern</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>service berry</u>	<u>S/H</u>	<u>FAC</u>	14.		
7. <u>Clubmoss</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Striped Maple</u>	<u>S</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/15/06  
 Community ID: UPLA  
 Plot ID: AR816A-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-3	O	10YR2/1	—	—	ORGANICS
3-9	A	10YR 3/2	—	—	Sandy clay loam
9-12	B	10YR 4/2	—	—	SANDY CLAY

Hydro/Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Perm of A part 12"

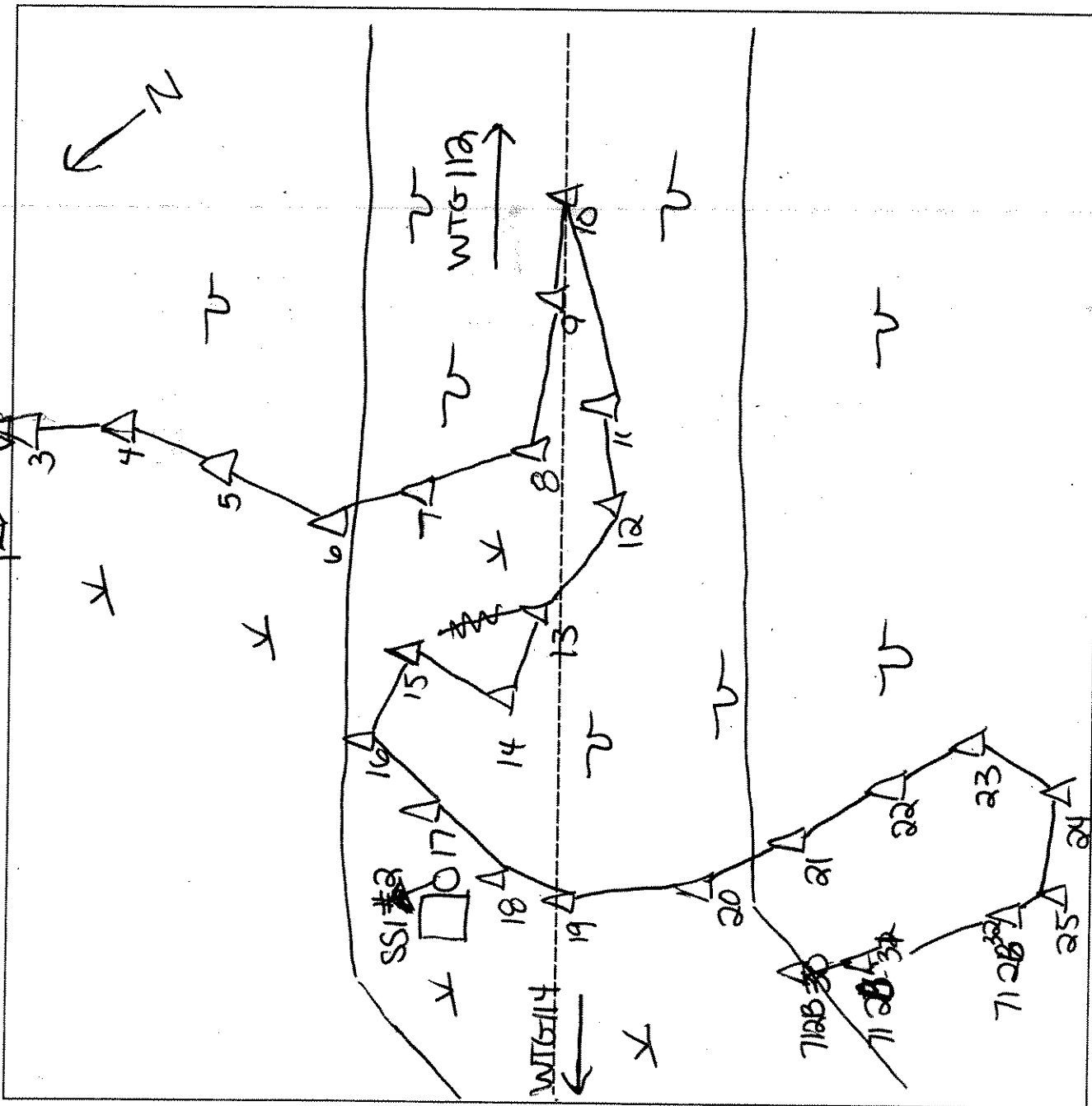
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

SKETCH FORM

Wetland ID/Route #: AR816A (reference 712B 30-32)	Date: 5-15-06	Time:
Initials of Delineators: BD, JV	Location: Access road to WTG 112 + WTG 114	
Roll #: 2 =>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE TRUCK, LLC</u> Investigator: <u>RTD, J.V.</u>	Date: <u>5/20/06</u> County: <u>Clinton</u> State: <u>NY</u>								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	No	<input type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	No								
<input type="radio"/>	<input checked="" type="radio"/>								
Community ID: <u>MESIC</u> Transect ID: <u>AR825A</u> Plot ID: <u>551</u>									

**VEGETATION**

FORWARDS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>65</u> Herb: <u>75</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>marsh w. succ</u>	<u>S</u>	<u>FACW</u>
2. <u>gray birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>TAI MUD FLA</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Tolerated fen</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Club moss</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Tree-like Club moss</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>MAY FLOWER</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>CAREX SP</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 72%

Remarks: FEW SCATTERED STANDS OF SPLYT MURS.  
VEG MARGINAL MUSH, FAC

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6+"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0'</u>	

Remarks: Bottoming  
photo 1 → EAT wetland from AR825A-2

Date: 5/20/06  
 Community ID: m21c  
 Plot ID: AR825A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-6	A	10YR 3/1	<del>10YR 5/2</del>	1	Silt loam w/ roots
		10YR 5/2	10YR 3/1	few, med, faint	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Undulating topography					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Maule River</i> Applicant/Owner: <i>Maule River LLC</i> Investigator: <i>RJD IV</i>	Date: <i>5/20/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: <i>none</i> Plot ID: <i>AR825A-552</i>

**VEGETATION**

Plant Community Classification: *upland deciduous w/ scattered conifers*  
Percent Canopy Cover: Tree: *90%* Shrub: *75%* Herb: *90%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>R. Maple</i>	<i>T/SH</i>	<i>FAC</i>	9.		
2. <i>B. Cherry</i>	<i>T/S</i>	<i>FACU</i>	10.		
3. <i>B. Fir</i>	<i>T/S</i>	<i>FAC</i>	11.		
4. <i>Interrupted Fern</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Tree Clubmoss</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>May Flower</i>	<i>H</i>	<i>FAC-</i>	14.		
7. <i>Meadow Suet</i>	<i>H</i>	<i>FACW</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *75%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 5-30-06  
 Community ID: *Wetland Upland*  
 Plot ID: *AKB25A.552*

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>1</sub>	10YR-2/1	-	-	Silt loam w/ Organic
3-10	A <sub>2</sub>	10-5YR-3/4	-	-	silt loam
10-14	B <sub>2</sub>	7.5YR-4/6	-	-	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks <i>photo =&gt; SW</i> <i>DEC Wetland</i>		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-20-00</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>ARB25B-551</u> <span style="float: right; font-size: 1.2em;">DH1101A</span>

**VEGETATION**

Plant Community Classification: <u>PFO1</u> Percent Canopy Cover:      Tree: <u>55%</u> Shrub: <u>40%</u> Herb: <u>45%</u> Vine: <u>1</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Dayflower</u>	<u>H</u>	<u>FAC-</u>
2. <u>B. Firch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>A. ASPEN</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Bk Spruce</u>	<u>T</u>	<u>FACU-</u>	12.		
5. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	13.		
6. <u>Service Berry</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>Carex sp.</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-) <u>46%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>10" in spots</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Butressed tree trunks</u>	

Date: 5-20-06  
 Community ID: Wetland  
 Plot ID: K825A-SSI  
 OH1101A

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			SH loam w/organ
4-10	A2	10YR 5/2	[mix		sandy clay loam
		10YR 6/2			

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: 4-10" includes streaking  
 Refusal @ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks  
 2 -> NW @ SSI  
 DEC Wetland

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RTD UV</u>	Date: <u>5-20-04</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>upland</u> Transect ID: Plot ID: <u>AR025B-SS2</u> <div style="text-align: right; margin-top: 10px;"><u>OH1101-A</u></div>							

**VEGETATION**

Plant Community Classification: <u>Deciduous Forested w/ scattered conifers</u>					
Percent Canopy Cover:		Tree: <u>10%</u>	Shrub: <u>50%</u>	Herb: <u>45%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Maple</u>	<u>T/S/H</u>	<u>FAC</u>	9. <u>Tree Clubmoss</u>	<u>H</u>	<u>FACU</u>
2. <u>G. Birch</u>	<u>T</u>	<u>FAC</u>	10. <u>B. Fir</u>	<u>S</u>	<u>FAC</u>
3. <u>American Beech</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>A. Aspen</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>M. L. Flower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Cherty - Ak</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Fr. Ling. Clubmoss</u>	<u>H</u>	<u>FACU-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>55%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p>	
Remarks:	

Date: 10-20-06  
 Community ID: Upland  
 Plot ID: ARB35B-552

OH1101-A

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR-3/1	—	—	Silt loam w/ organics
3-7	B <sub>2</sub>	7.5YR-5/2	—	—	Sandy clay loam
7-14	B <sub>2</sub>	7.5YR-4/6	—	—	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Refusal @ 14"					

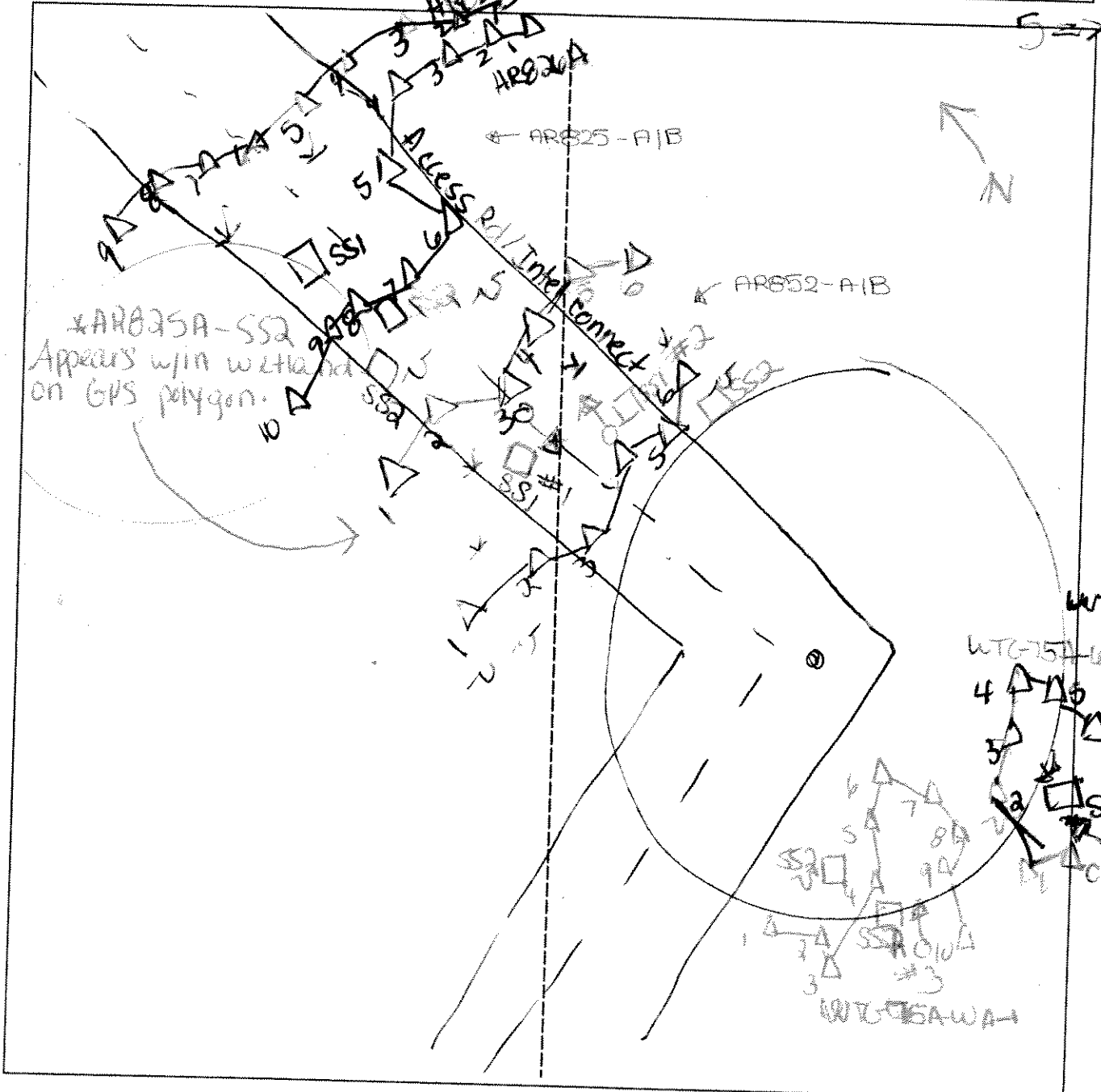
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		



SKETCH FORM

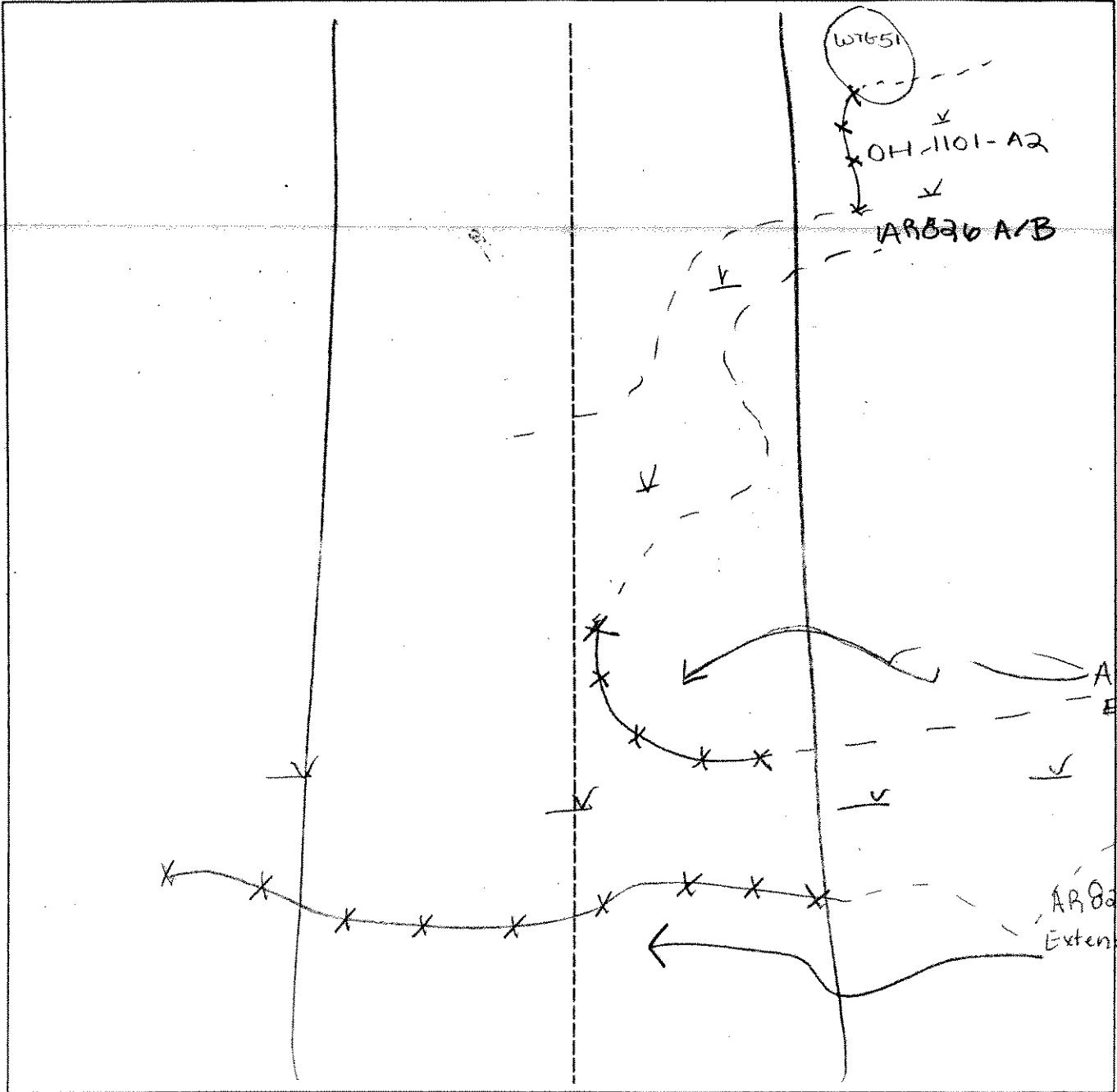
Wetland ID/Route #: A-025A/B, WTC-75A/B		Date: 5-20-06	Time:
Initials of Delineators:		Location: Access Rd / Interconnect to turbine 75A-W	
Roll #:	Frames: 1 => SW of SS1/6B, 2 => NW of SS1, 3 => SW of SS1, 4 => NW, 5 => NE		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: AR025 A/B and OH-1101-A2		Date: 8-23-06	Time:
Initials of Delineators:		Location: OH from Rt-11 North	
Roll #:	Frames:		



Route 109

<b>Legend</b>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

AR66A-WL

Project Site: <u>CLEMON COUNTY</u> Applicant/Owner: <u>HOBBS</u> Investigator: <u>KH, RD, JG</u>	Date: <u>10/20/05</u> County: <u>CLEMON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR66A-SS1</u>

**VEGETATION**

Plant Community Classification: PBM/PSS  
 Percent Canopy Cover: Tree: 10 Shrub: 20 Herb: 100 Vine: 5

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	9. <u>Nightshade</u>	<u>V</u>	<u>FAC-</u>
2. <u>Alder Rubrum</u>	<u>S</u>	<u>FAC</u>	10. <u>Interrupted fern</u>	<u>H</u>	<u>FAC</u>
3. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Bark willow</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Sensitive fern</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Poa sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Flat top Aster</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Horse tail</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 90%

Remarks: - juncus Effrus (CH) - rattlesnake grass (H) plants outside of  
- Bone set (CH) - cat tail (CH) soil station  
- Carex crinita (CH) - Lemna (CH) also present in  
- speckled Alder (S) - willow Herb (CH) wetland

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2 in</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>pit soil 5</u> <u>#27</u> <u>Shows SS1 + SS2 looking SW</u>	<u>- recent rainfall within last 12 hours</u>

AR66A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-0/1			Silt loam
2-5	A	10YR-2/1			Sand loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal of Auger at 5 inches - disturbed soil from logging most likely					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR66A-upL

Project Site: <u>Canton County</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>KA, RD, 56</u>	Date: <u>10/20/05</u> County: <u>Canton</u> State: <u>NY</u>
<input checked="" type="checkbox"/> Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Community ID: Transect ID: Plot ID: <u>AR66A-55a</u>	

**VEGETATION**

Plant Community Classification: upland - beech/muple mesic  
Percent Canopy Cover: Tree: 90 Shrub: 20 Herb: 40 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer Saccharum</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>American Beech</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Big Tooth Aspen</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Acer Saccharum</u>	<u>S</u>	<u>FACU-</u>	12.		
5. <u>Moss sp.</u>	<u>H</u>	<u>I-</u>	13.		
6. <u>Basswood</u>	<u>T</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 16%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide-Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 6in</u> Depth to Saturated Soil (in.): <u>3in</u>	
Remarks: <u>- recent rainfall within 12 hours</u>	

AR66A-UPL

**SOILS**

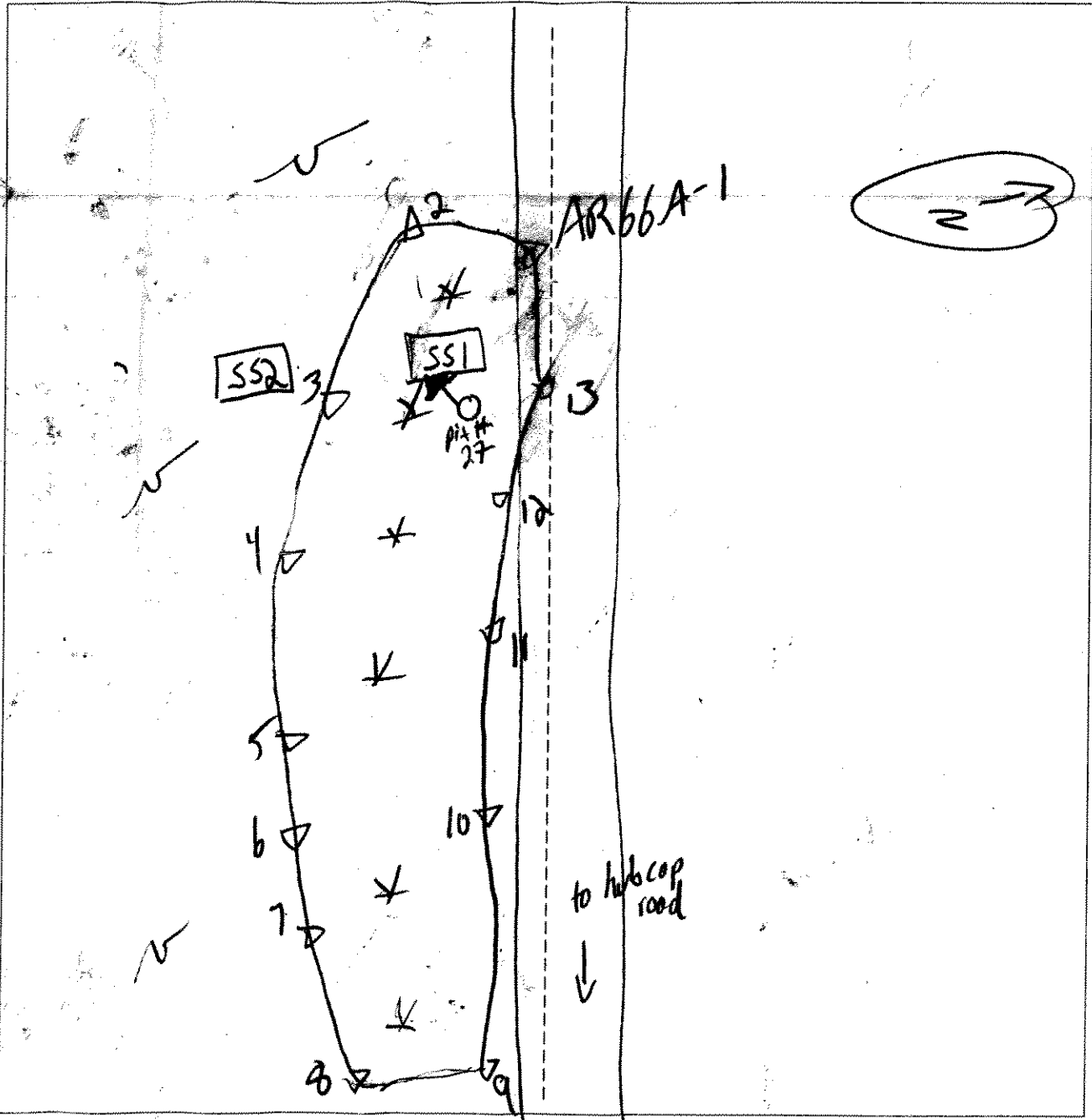
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	A	10YR-2/1	7.5YR-5/8	Few/med/Faint	loam
1-6	A	10YR-4/1	10YR-2/1	" " / distinct	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:      - refusal of auger at 6"      - Mn Mottles - roots in top 6 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks			

SKETCH FORM

Wetland ID/Route #: <i>AR66A</i>	Date: <i>10/20/05</i>	Time: <i>09:43</i>
Initials of Delineators: <i>KH, RD, JB</i>	Location: <i>Clinton Co</i>	
Roll #: <i>Roll 5 #27</i>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR68A-WL

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>W.H. R.D. JG</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR68A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEMIPSS</i>					
Percent Canopy Cover:		Tree: <i>20</i>	Shrub: <i>0</i>	Herb: <i>90</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alder Rubrum</i>	<i>T</i>	<i>FAC</i>	9. <i>Meadow Sweet</i>	<i>H</i>	<i>FAC+</i>
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10. <i>Sphagnum</i>	<i>H</i>	<i>-</i>
3. <i>Fair Meadow Grass</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Poa sp.</i>	<i>H</i>	<i>-</i>	12.		
5. <i>Small white Aster</i>	<i>I</i>	<i>FAC</i>	13.		
6. <i>Solidago Canadensis</i>	<i>I</i>	<i>FAC</i>	14.		
7. <i>Sensitive Fern</i>	<i>I</i>	<i>FACW</i>	15.		
8. <i>Burke weed</i>	<i>✓</i>	<i>OBL</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks: <i>pit # 1015, 25 looks west of SS1, SS2</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>0/1</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent rainfall in last 12 hours</i>	

AR 68A-WL

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations: \_\_\_\_\_  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-4/2			Silty loam w/ roots
6-12	A <sub>2</sub>	7.5YR-3/4			silty sand
12-18	B	10YR-5/1	10YR-2/1	few/coarse/distinct	sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - Bright chroma from 6-12 - almost pure gritty sand - disturbed soil from road construction?  
 - Mn mottles in B layer

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR 68A - upl  
67A -

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>SH, AD, SB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: Transect ID: Plot ID: <i>AR 68A-SS2</i> <i>AR 67A</i>							

**VEGETATION**

Plant Community Classification: *upland forest*

Percent Canopy Cover: Tree: *80* Shrub: *40* Herb: *40* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Saccharum</i>	T	FACU-	9. <i>Thorned Spurred Golden Rod</i>	H	FAC
2. <i>Gray Birch</i>	T	FAC	10. <i>club Moss</i>	H	-
3. <i>Big TOOTH Aspen</i>	T	FACU-	11. <i>Beech</i>	H	FACU
4. <i>Yellow Birch</i>	T	FAC	12.		
5. <i>Gray Birch</i>	S	FAC	13.		
6. <i>Acer Saccharum</i>	S	FACU-	14.		
7. <i>Winged wood Aster</i>	H	UPL*	15.		
8. <i>Rubus sp.</i>	H	-	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *35%*

Remarks: *pix # 10115 -26 shows AR 68A-SS2 > same point used for upl station for both wetlands*  
*\* Not listed*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 18</i>  Depth to Saturated Soil (in.): <i>&gt; 18</i>	
Remarks:	

AR67A; upl  
AR68A

**SOILS**

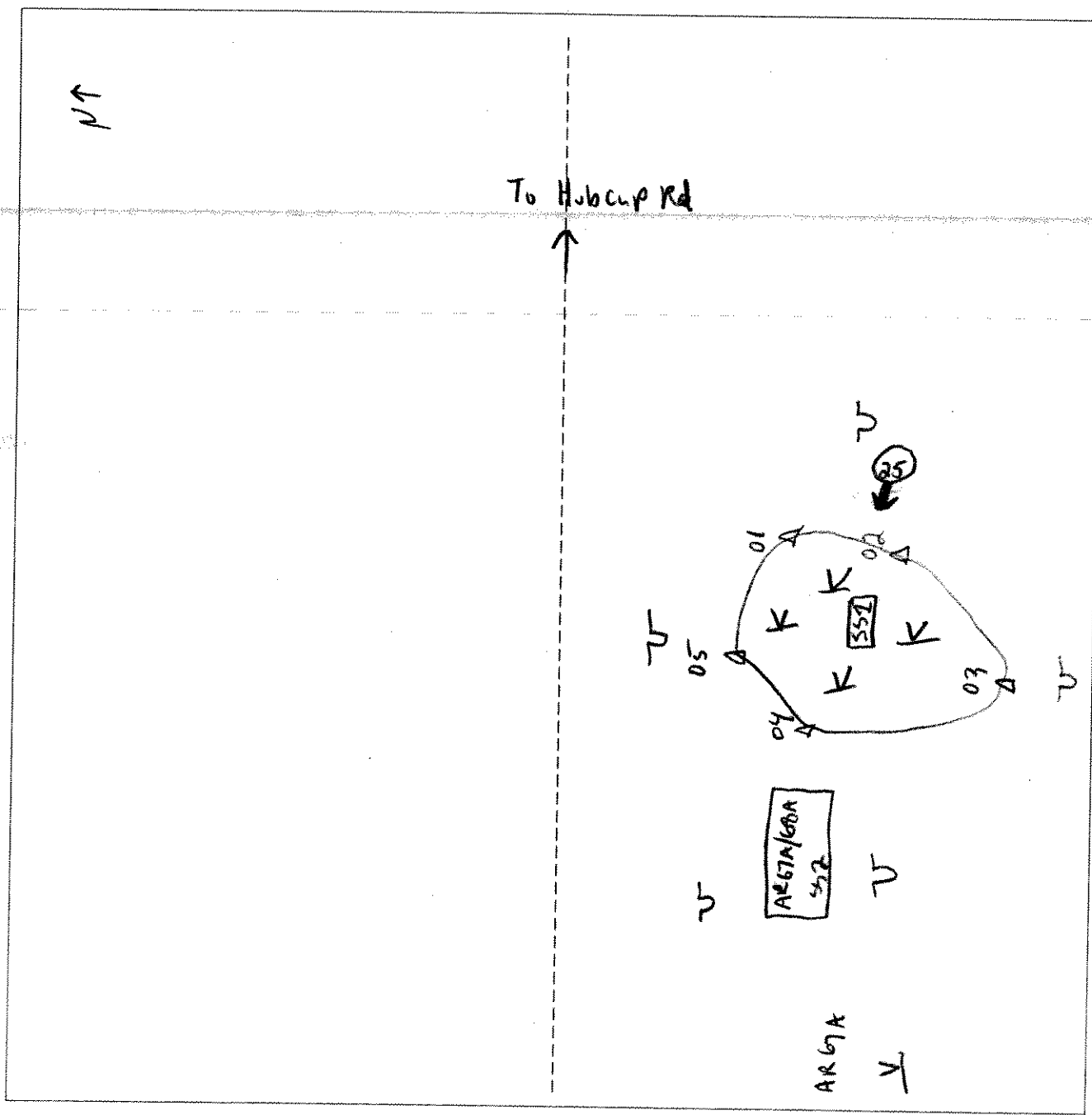
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR-3/3			Sandy silt loam w/gravel
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>disturbed soil from logging - spoil pile</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No		
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Remarks				

SKETCH FORM

Wetland ID/Route #: <i>AR68A</i>	Date: <i>10/20/05</i>	Time: <i>1030</i>
Initials of Delineators: <i>BH, AD, SV</i>	Location: <i>AR68A</i>	
Roll #: <i>5</i>	Frames: <i>25</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

A170A  
wL

Project Site: <i>Clinton Co</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KA, RD, JB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>A170A-551</i>

**VEGETATION**

Plant Community Classification: <i>PFM</i>					
Percent Canopy Cover: Tree: <i>5</i> Shrub: <i>10</i> Herb: <i>85</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Big Tooth Aspen</i>	<i>T</i>	<i>FACV</i>	9. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>
2. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Beak willow</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Meadow Sweet</i>	<i>S</i>	<i>FACV</i>	12.		
5. <i>Solidago Canadensis</i>	<i>H</i>	<i>FACV</i>	13.		
6. <i>Meadow Sweet</i>	<i>H</i>	<i>FACV</i>	14.		
7. <i>Rubus Sp.</i>	<i>H</i>	<i>-</i>	15.		
8. <i>Poa Sp.</i>	<i>H</i>	<i>-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>70%</i>					
Remarks: <i>lots of open standing water - wool grass subdominant in wetland - Bone set</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>8-12 in.</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent rainfall in last 12 hours</i>	

AA 70A  
WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	O	10YR-2/1			Mucky Peat Much w/ inclusions of peat
6-18	A	10YR-2/1			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Circle)
Yes No			
Remarks			

AR70A-UP<sup>L</sup>

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>GH, RD, JB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 70A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>vp/ark forest</i>					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>5</i> Herb: <i>80</i> Vine: <i>30</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Aubus sp</i>	<i>H</i>	<i>-</i>	12.		
5. <i>Solidago sp.</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Solidago canadensis</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>Solidago rigida</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Nightshade</i>	<i>V</i>	<i>FAC-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>60%</i>					
Remarks: <i>- Aubus - purple stalks, fine bristles, no bristles on stalks</i> <i>5 leaves</i> <i>- pit # roll 5, 23 shows SS1 + SS2 looking North</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 14 in</i> Depth to Saturated Soil (in.): <i>&gt; 14 in</i>	
Remarks: <i>recent rainfall in last 24 hours</i>	



AR 70A - UPL

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-2/1			organic material
2-14	E	7.5YR-5/2			sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: *- refusal of Auger @ 14 inches*  
*- pure sand in the E layer*

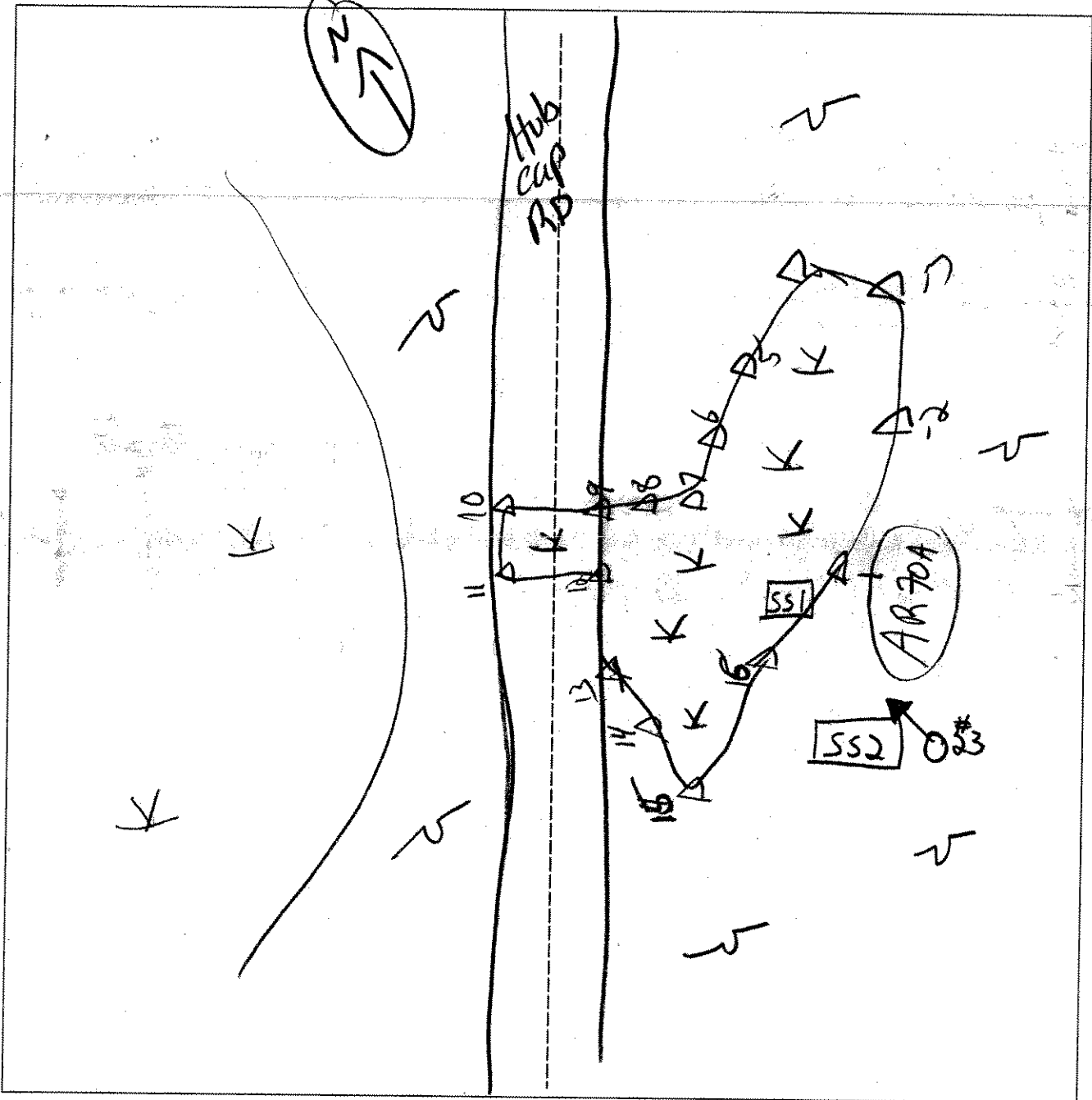
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No <input type="radio"/>

Remarks

SKETCH FORM

Wetland ID/Route #: <i>AR70A</i>	Date: <i>10/20/05</i>	Time: <i>12:00</i>
Initials of Delineators: <i>KH, RD, JG</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>5</i>	Frames: <i>#23</i>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR 71A-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KA, RP, JB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: Transect ID: Plot ID: <i>AR 71A-SS1</i>							

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Slope Bush</i>	H	FACW	9.		
2. <i>Speckled Alder</i>		FACW	10.		
3. <i>Silly willow</i>		OBL	11.		
4. <i>Moss (single tall stalk)</i>		-	12.		
5. <i>Moss sp.</i>		-	13.		
6. <i>Juncus Effusus</i>	V	FACW	14.		
7. <i>Grass sp.</i>		-	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>- Man Made wetland - fill dug out, created pit / retention pond</i> <i>- wood/grass in center of wetland</i> <i>- Highly disturbed area</i> <div style="float: right; text-align: right;"> <i>- pit # roll 5 # looking S</i>  <i>22</i>  <i>shows SS1 + SS2</i> </div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>8</i> Depth to Free Standing Water in Pit (in.): <i>4</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>recent rainfall within 12 hours</i>	

AR 71A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	2.5Y-5/4	10YR-5/8	Few/Large/Faint	Silty Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - Soils highly disturbed due to excavation - refusal of Auger 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	(Circle)
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks: NO hydric soils present. - highly disturbed area / excavation activities caused water retention pond that collects enough water to support hydrophytic vegetation			

AR71A-4P1

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>BH, RD, JB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR71A-552</i>

**VEGETATION**

Plant Community Classification: <i>Maple Forest</i>					
Percent Canopy Cover:		Tree: <i>60</i>	Shrub: <i>50</i>	Herb: <i>20</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Corylus Bitch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Rubus Allegheniensis</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Rubus sp.</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Moss sp.</i>	<i>H</i>	<i>-</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks: <ul style="list-style-type: none"> <li>- <i>Rubus sp. purple stalks, 5 leaves, bristles not thorns</i></li> <li>- <i>highly disturbed area due to excavation</i></li> <li>- <i>soil station taken on spoil pile, which is on edges of entire wetland area</i></li> </ul>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 18</i>  Depth to Saturated Soil (in.): <i>&gt; 18</i>	
Remarks: <i>recent rains in last 12 hours</i>	

AR 71A - upL

**SOILS**

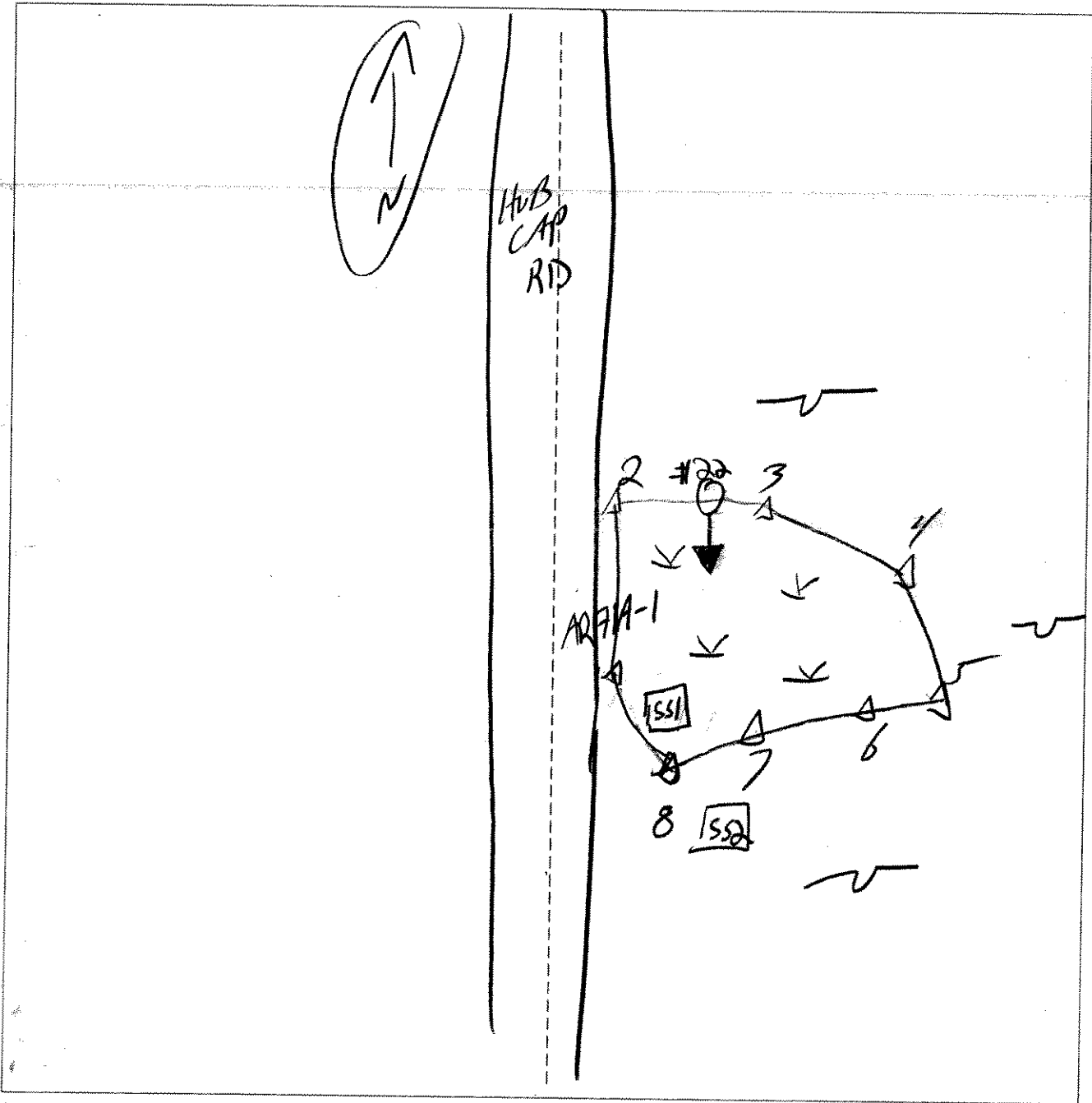
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	2.5Y-5/4			Silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: - disturbed soil due to excavation - taken from spoil pile next to wetland area					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No (circled)	(Circle)	
Wetlands Hydrology Present?	Yes	No (circled)		
Hydric Soils Present?	Yes	No (circled)		
			Is this Sample Station Point Within a Wetland?	Yes (circled) No (circled)
Remarks				

SKETCH FORM

Wetland ID/Route #: AR 71A	Date: 10/20/05	Time: 13:50
Initials of Delineators: BJA, RD, JB	Location: Clanton Co.	
Roll #: 5	Frames: 22	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR 72A-WL

Project Site: <u>Clinton Co.</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>ISA, RD, 56</u>	Date: <u>10/20/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 72A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>80</u> Herb: <u>100</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer Rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Rubus trailing vine</u>	<u>H</u>	<u>-</u>
2. <u>Bay Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Alder Rubrum</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Bark willow</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Juncus Effusus</u>	<u>H</u>	<u>FACW+</u>	13.		
6. <u>Solidago rugosa</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Meadow sweet</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Sphagnum</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Rubus vine on ground 3 leaves</u>  <u>pit # roll 5, 21</u> <u>Shows SS1, SS2 looking East</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>6</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>recent rainfall 11 in last 24 hours</u>	



AA72A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	O	10YR-2/1			Silty loam/organic Muds
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of Auger at 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? (Circle) Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR 72A-4P2

Project Site: <i>Clinton Co</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, RD, JB</i>	Date: <i>10/20/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 72A-552</i>

**VEGETATION**

Plant Community Classification: <i>PFO</i>					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>30</i> Herb: <i>60</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Green Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Asp Rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Green Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Asp Rubrum</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Solidago viridula</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Big tooth Aspen</i>	<i>T</i>	<i>FACU-</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>70%</i>					
Remarks: <i>Big tooth Aspen - subdominate tree</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i> Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks: <i>Recent rains in last 24 hours</i>	

AR72A-4PL

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-2/1			10um
4-6	E	10YR-5/2			silty sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of Auger at 6 inches

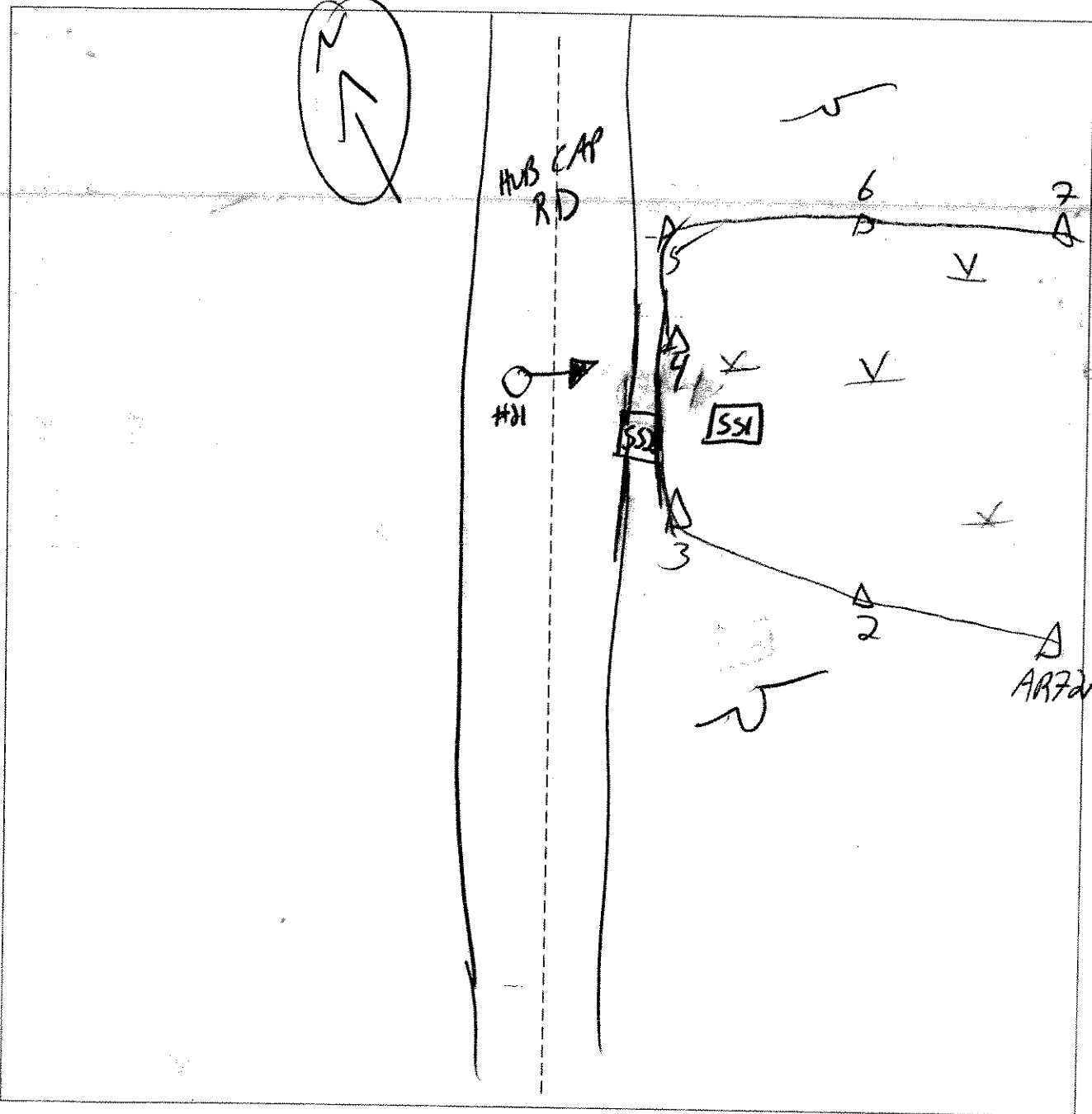
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>

Remarks

SKETCH FORM

Wetland ID/Route #: <i>AR 72A</i>	Date: <i>10/20/05</i>	Time: <i>14:40</i>
Initials of Delineators: <i>ISH, RD, JB</i>	Location: <i>Clinton Co.</i>	
Roll #: <i>5</i>	Frames: <i>21</i>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

ART2A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: <u>PSS / PEM</u> Plot ID: <u>ART2A 551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>45</u> Shrub: <u>05</u> Herb: <u>99</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>HB Blueberry</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Viburnum lentago</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Sphagnum moss &gt;50%</u>	<u>H</u>	<u>OBL</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>2+'' in</u>  Depth to Free Standing Water in Pit (in.): <u>6''</u>  Depth to Saturated Soil (in.): <u>0''</u>	
Remarks:	

Date: 5/10/07  
 Community ID: PSS / PEM  
 Plot ID:

ARTA

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	O	10YR 2/1			silt loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: refusal @ ≤ 8", water in pit @ 6", saturated @ 0"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks photo = E

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>ART2A</u>

EXTENSION

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>60</u> Herb: <u>80</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Amelanchier canadensis</u>	<u>T</u>	<u>FACU</u>	9. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU</u>
2. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Red maple</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>L.B. Blueberry</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Bracken fern</u>	<u>H</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/10/07  
 Community ID: UA  
 Plot ID: ART2A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR 2/1	10YR 4/2	few, distinct, md.	not loamy

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: refusal @ 6"

**WETLAND DETERMINATION**

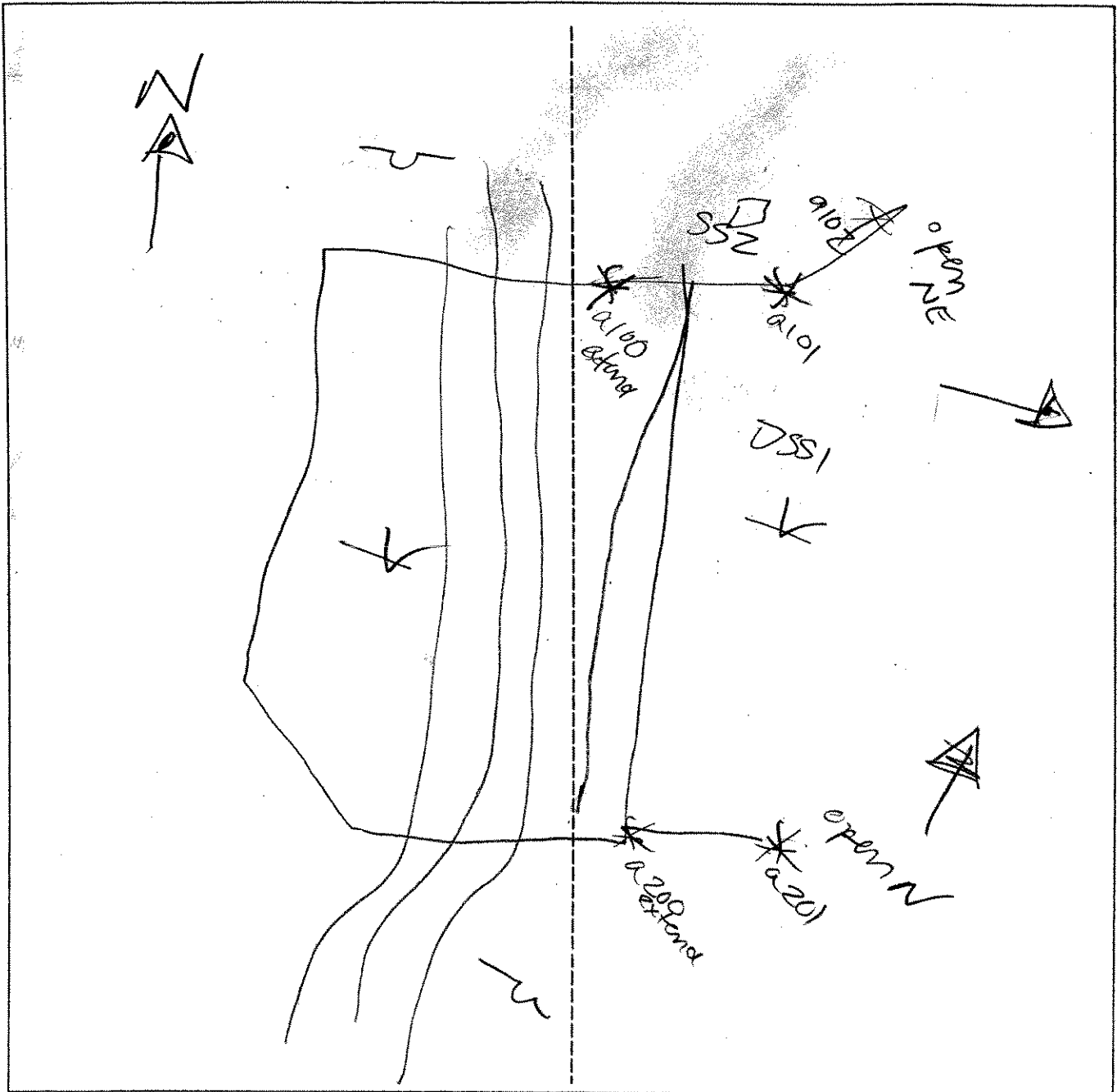
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> AR 72A EXTENSION	<b>Date:</b> 5/10/07	<b>Time:</b>
<b>Int ials of Delineators:</b> AP JV	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
○▲	Photo Location/Direction
□	Sample Station
---	Centerline
▽	Flag
X	Wetland
U	Upland
—	Stream
- . -	Intermittent Stream

AR079A-02

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CLETON CO.</u> Applicant/Owner: <u>MORTZON</u> Investigator: <u>AK KH</u>	Date: <u>0/2/05</u> County: <u>CLETON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR079A</u> Plot ID: <u>551</u>

**VEGETATION** PRES

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>5%</u> Shrub: <u>00%</u> Herb: <u>95%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPEAR BUSH</u>	<u>S</u>	<u>FACW</u>	9. <u>SPECKLED ALDER</u>	<u>S</u>	<u>FACW</u>
2. <u>VALENTIN SUBST</u>	<u>S</u>	<u>FACW</u>	10. <u>WHITE CORN</u>	<u>T/S</u>	<u>FACW</u>
3. <u>WILD GRASS</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>RATTLESNAKE GRASS</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>LYNNA LANTANA</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>FLAT TOPPED HERB</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>SPARGANUM GRASS</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>SPARGANUM GRASS</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>UP TO 3 IN PLACES</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>- RAIN WATER PREDOMINANT</u> <u>- RAIN WEN PAST 24 HRS</u> <u>- STREAM 079A/B - STE FLOWS 8 THROUGH WETLAND, UNDER ROBERTS ROAD TO WETLAND #079B.</u>	

ID: A2079A-UX

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/1	NONE	---	OM
10-14	A	10YR 2/1	NONE	---	SANDY CLAY
14-18	A	10YR 3/1	NONE	---	SILTY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: -OM THROUGHOUT PROFILE -NO REFUSAL OF AUGER					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)	(Circle)
Wetlands Hydrology Present?	(Yes) No	Is this Sample Station Point Within a Wetland?	(Yes) No
Hydric Soils Present?	(Yes) No		Is this an Isolated Wetland?
Remarks PHOTO 25 ROLL 6 TO WEST			

AR079A-UP

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CLINTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK KH</u>	Date: <u>10/25/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR079A</u> Plot ID: <u>552</u>

**VEGETATION MED SUCCESSIONAL DETTDUVS**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>10%</u> Herb: <u>30%</u> Vine: <u>5%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>POPULUS TREMULOIDES</u>	<u>TTS</u>	<u>FACU</u>	9. <u>SALICORBA RUPEOSA</u>	<u>H</u>	<u>FAC</u>
2. <u>ACER RUBRUM</u>	<u>S</u>	<u>FAC</u>	10. <u>SARTICIA</u>	<u>H</u>	
3. <u>ACER SACCHARUM</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>BLACK CHERRY</u>	<u>T</u>	<u>FACU</u>	12.		
5. <u>VERGINIA CREEPER</u>	<u>F</u>	<u>FACU</u>	13.		
6. <u>RUBUS SP.</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>YAM SP.</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>STRAWBERRY</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>22%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks: <u>RAIN DURING DELINEATION</u> <u>-RAIN UPIN LAST 24 HRS</u>	

ID: A2079A-UP

**SOILS**

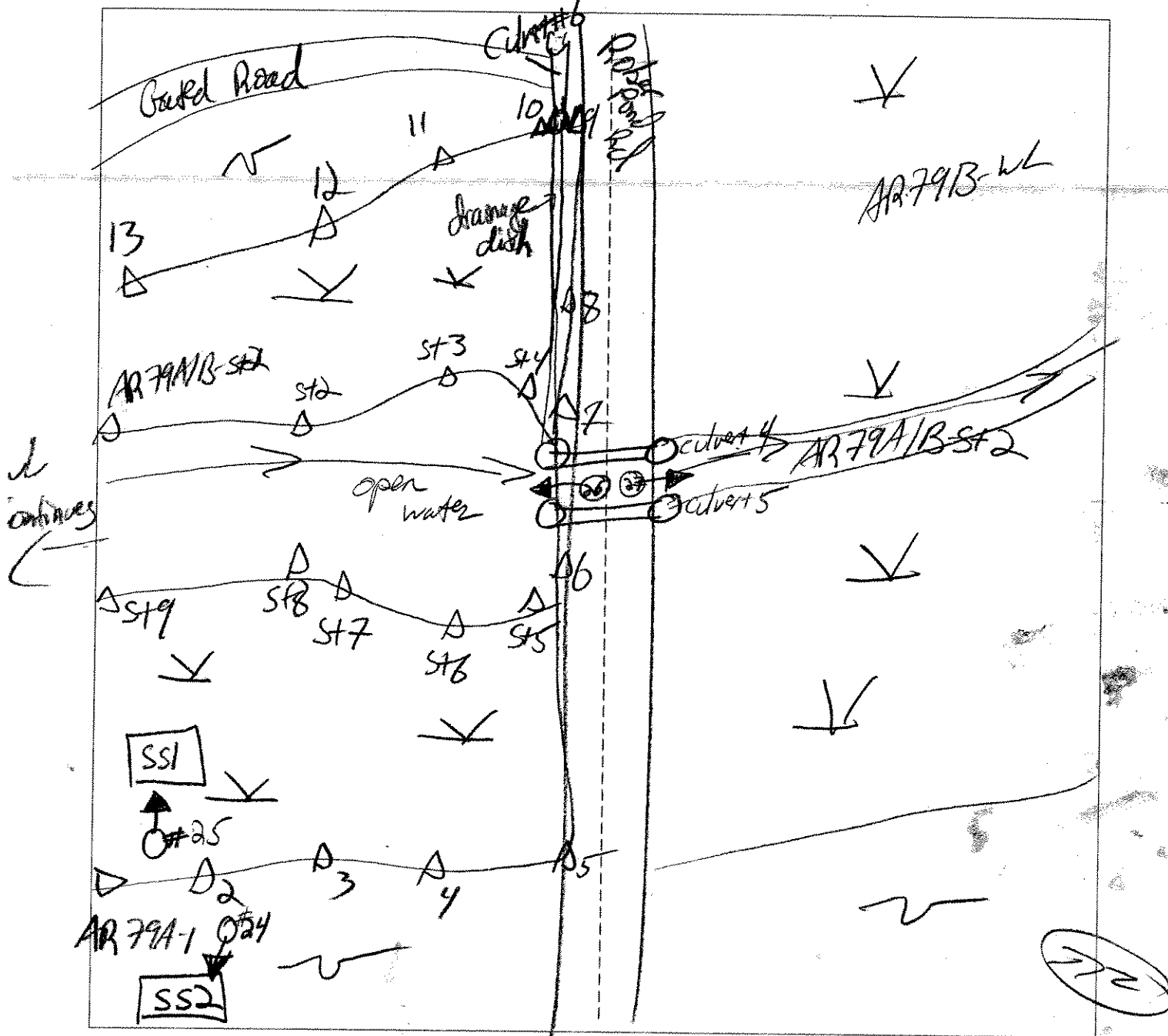
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	NONE	—	DM
1-3	A	7.5YR 2.5/3	NONE	—	SANDY LOAM
3-8	A <sub>c</sub>	10YR 4/4	NONE	—	SANDY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSAL @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	(No)	(Circle)	
Wetlands Hydrology Present?	Yes	(No)		
Hydric Soils Present?	Yes	(No)		
			Is this Sample Station Point Within a Wetland?	Yes (No)
			Is this an Isolated Wetland?	Yes No
Remarks PHOTO 24 REL 6 TO EAST				

SKETCH FORM

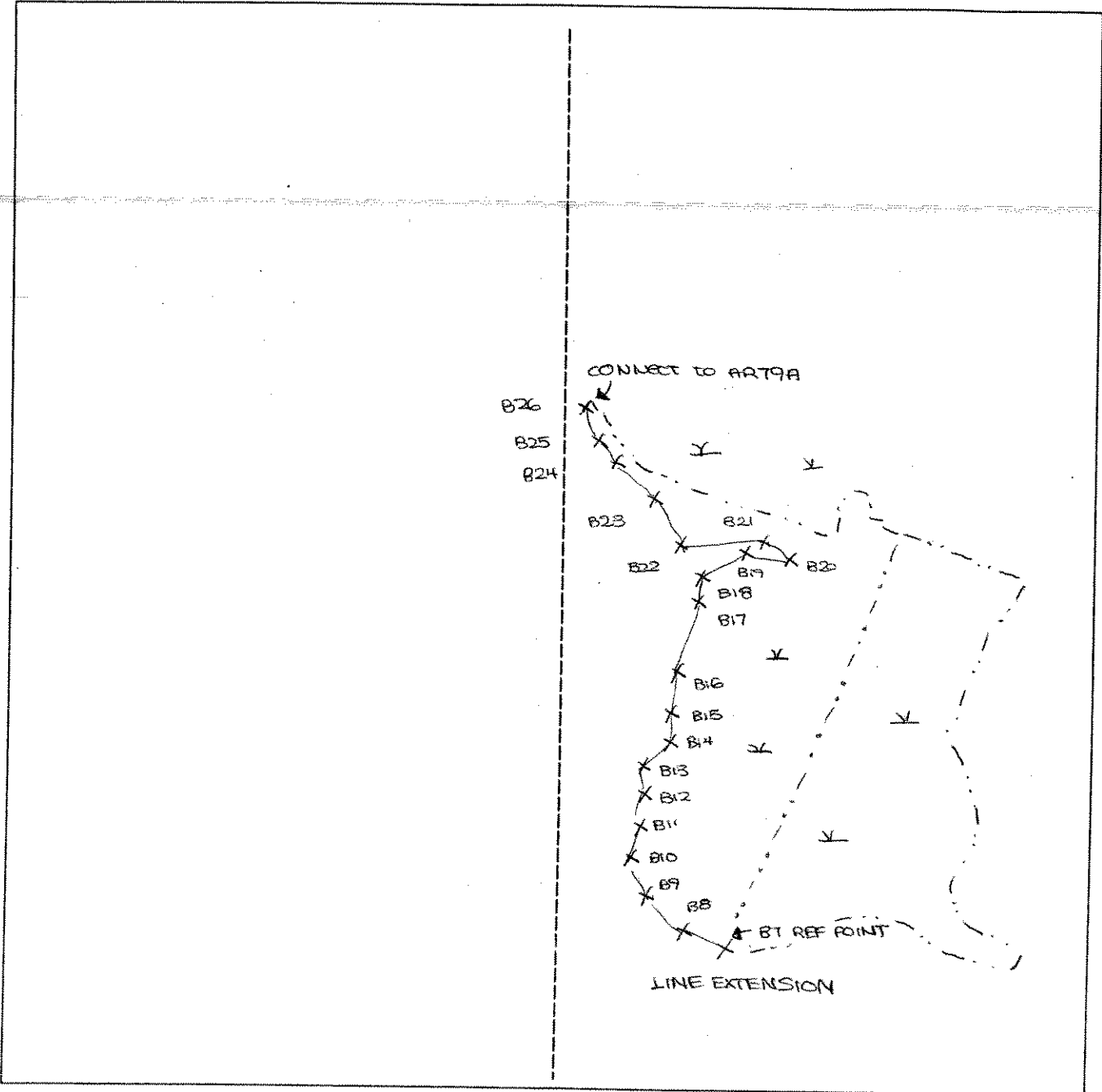
Wetland ID/Route #: AR 79A + AR 79A/B SF 2	Date: 10/23/05	Time: 16:30
Initials of Delineators: KH, AH	Location: Clinton Co. Robert Pond Rd	
Roll #: 6	Frames: 27, 26, 25, 24	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR79-A LINE EXTENSION SKETCH FORM

Wetland ID/Route #: (IC535-B ON MAP) IC533-B	Date: 7/27/06	Time: AM
Initials of Delineators: BR / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag (X)	Intermittent Stream

PREVIOUSLY DELINEATED WETLANDS

AP07916-01

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CLINTON CO</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK FH</u>	Date: <u>10/23/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETCHAMP</u> Transect ID: <u>AL07916</u> Plot ID: <u>SS1A</u>

**VEGETATION** PSS / PFO1

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>5%</u> Shrub: <u>50%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SALICEO GUERRICIA</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>FLAT TOP ACHER</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>TRAIL WOOD</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>CHICK SPP.</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>SPECKLED ACHER</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>UMLIS AMERICANA</u>	<u>T</u>	<u>FACW</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>ROLL 5 PHOTO 5 TO EAST</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>UP TO 1' IN PLACES</u> Depth to Free Standing Water in Pit (in.): <u>0'</u> Depth to Saturated Soil (in.): <u>0'</u>	
Remarks: <u>RAIN WERE DETERMINING</u> <u>- RAIN WIND LAST 12 HOURS</u>	



AR079B-WL

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors* (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A <sub>1</sub>	10YR 2/1	None	—	Silty clay
14-18	A <sub>2</sub>	2.5YR 2/1	None	—	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: AUGER REPOSAL @ 18"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?
Remarks			

AR079B-WK

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 COE Wetlands Delineation Manual)

Project Site: <u>CLINTON CO</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK YH</u>	Date: <u>10/23/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? Yes <u>No</u> Is the area a potential Problem Area? Yes <u>No</u> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR079B</u> Plot ID: <u>5513</u>

VEGETATION B8

Plant Community Classification:  
 Percent Canopy Cover: Tree: 10% Shrub: 60% Herb: 70% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>WHITE CEDAR</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>SPOTTED ALDER</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>WATER DOGWOOD</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>RED CEDAR</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>SPHAGNUM MOSS</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>CHRYX</u>	<u>H</u>	<u>OBL</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: ROLL 5 PHOTO 2 TO WEST

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands ( <u>SLIGHT</u> ) <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>UP TO 2' IN PLACES</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>RAIN WHILE DELINEATING</u> <u>- RAIN WIND 12 HRS</u> <u>- STREAM 79AB - STZ FLOWS ACROSS ROAD FROM S INTO WETLAND</u>	

ID: A20798-WC

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1	NONE	—	OM SAT
4-12	A <sub>1</sub>	10YR 3/1	NONE	—	SILT CLAY w/OM
12-18	A <sub>2</sub>	2.5YR 2.5/1	NONE	—	SILT CLAY w/OM
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: = OM THROUGHOUT PROFILE - NO REFUSAL OF AUGER					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

AR079B-UP

Project Site: <u>CANTON CO</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK KH</u>	Date: <u>10/23/05</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
Community ID: <u>UPLAND</u> Transect ID: <u>AR079B</u> Plot ID: <u>SS2A</u>	

**VEGETATION** MID SUCCESSIONAL MIXED CONIFER/DECIDUOUS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>20%</u> Herb: <u>5%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>GREEN ALDER</u>	<u>E</u>	<u>FAC</u>	9. <u>TURTLEHEAD FERN</u>	<u>H</u>	
2. <u>GREY BIRCH</u>	<u>T</u>	<u>FAC</u>			
3. <u>BLACK CHERRY</u>	<u>T</u>	<u>FACU</u>			
4. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>			
5. <u>BALSAM FIR</u>	<u>T/S</u>	<u>FAC</u>			
6. <u>POPULUS TREMULOIDES</u>	<u>T</u>	<u>FACU</u>			
7. <u>POIN SPR</u>	<u>H</u>				
8. <u>WOODBURN</u>	<u>H</u>	<u>FACU</u>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>* SPECIES NOT IDENTIFIED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>16"</u>	
Remarks: <u>RAIN WATER DECONTAMINATING</u> <u>- RAIN WATER PAST 12 HRS</u>	

ID: A2079B-UP

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	0YR 2/1	NONE	—	OM
1-5	A	10YR 2/2	NONE	—	SANDY CLAY
5-18	B	10YR 5/2	NONE	—	SANDY CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: SATURATED @ 16"  
 PHOTO 4 Roll 5 TO EAST

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Remarks

AR079B-UP

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLENTON CO.</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK LH</u>	Date: <u>10/23/05</u> County: <u>CLENTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR079B</u> Plot ID: <u>SS2B</u>

**VEGETATION . MED SUCCESSIONAL DECIDUOUS**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>10%</u> Herb: <u>80%</u> Vine: <u>2%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>POPULUS TREMULOIDES</u>	<u>T/S</u>	<u>FACU</u>	9.		
2. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>BLACK CHERRY</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>ROA SPP.</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>RUBUS</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>LOW BUSH BLUEBERRY</u>	<u>S</u>	<u>FACU</u>	14.		
7. <u>VIPTAJA CREEPER</u>	<u>V</u>	<u>FACU</u>	15.		
8. <u>SUGAR MAPLE</u>	<u>S</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>13%</u>					
Remarks: <u>Roll S. Photo 1 to East</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>NA</u>	
Remarks: <u>RAIN DURING PENETRATION</u> <u>- RAIN W/IN 12 HRS</u>	

ID: ARO79B-UP

**SOILS**

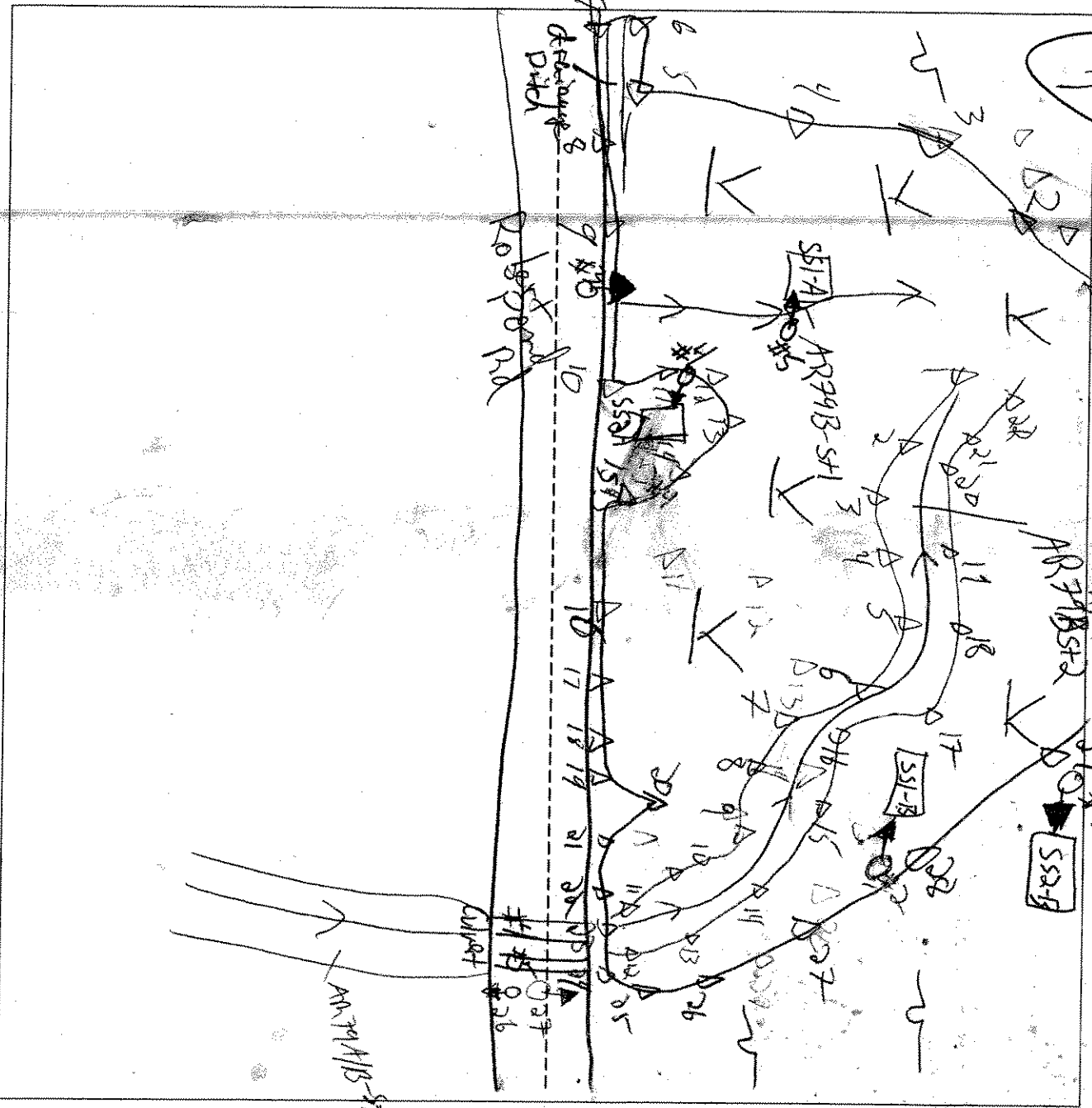
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	NONE	---	OM
1-10	A	10YR 3/4	NONE	---	SILTY SAND
10-18	B	10YR 6/8	NONE	---	SILTY SAND
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
*Remarks: NO REFUSAL OF AUGER					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No	(Circle)	
Hydric Soils Present?	Yes	No	(Circle)	
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: AR 79 B / AR 79 B-SH / AR 79 B-SH	Date: 10/23/05	Time: 15:00
Initials of Delineators: KHA, AK	Location: Clinton Co.	
Roll #: 5	Frames: 5, 4, 3, 2, 1	Roll # 27 N, 26 S



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County Windsor	Date: 10/25/05
Applicant/Owner: Horizon	County: Clinton
Investigator: DMS, KH	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLAND Transect ID: ARZ9C Plot ID: 551A
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? (If needed, explain on reverse.) <input type="radio"/> Yes <input checked="" type="radio"/> No	

**VEGETATION**

PSS

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: 10 Shrub: 70 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spruce White Cedar	T	FACW	9. Sphagnum	H	-
2. " "	S	FACW	10. Plant pop Ash	H	FACW
3. Spotted Alder	S	FACW	11. Fox Meadow Grass	H	FACW
4. Red Oak - Dogwood	S	FACW	12. Carex Cornuta	H	OBL
5. Meadow Sweet	S	FACW	13. Iris sp.	H	-
6. Red willow	S	FACW	14. _____		
7. Silky willow	S	OBL	15. _____		
8. Sensitive Fern	H	FACW	16. _____		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
cuttings in other portions of wetland

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 6 1/2 Depth to Free Standing Water in Pit (in.): $\emptyset$ Depth to Saturated Soil (in.): $\emptyset$	
Remarks: raining	

AR 79 e-wk

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-9	O/A	10YR-2/3			loam <sup>sw</sup> /organics
8-18	B	Gley 5Y-4/1	10YR-6/1	few/med/distinct	clay

Hydro Soil Indicators

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input checked="" type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
		(Circle)
		Is this Sample Station Point Within a Wetland?
		Yes No
Remarks		

79  
AR24E-WL2

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. wind farm</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, RD</i>	Date: <i>10/25/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR24E-SS1B</i> <span style="margin-left: 100px;">79</span>

**VEGETATION**

*PFO4*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>80</i>	Shrub: <i>40</i>	Herb: <i>30</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Atlantic white cedar</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>"</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Common Birch</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>"</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Mountain Alder</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Speckled Alder</i>	<i>S</i>	<i>FACWT</i>	14.		
7. <i>Wood fern</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Sensitive fern</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Upland humilis within wet area</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>MA</i> Depth to Free Standing Water in Pit (in.): <i>2 in</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>raining today</i>	

ID: AR 79C-102

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-4/1			Silty clay
6-14	A <sub>1</sub>	10YR-6/2	10YR-5/6	Abundant/large/distinct	clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal at Auger 14 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No				
Wetlands Hydrology Present?	Yes	No		(Circle)		(Circle)
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes	No
				Is this an Isolated Wetland?	Yes	No
Remarks						

AR 79C-0PL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County Wetlands</u> Applicant/Owner: <u>HORRIGAN</u> Investigator: <u>RTD KH</u>	Date: <u>10/25/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPIA.1</u> Transect ID: <u>AR 79C</u> Plot ID: <u>552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>10</u> Herb: <u>5</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White Taylor Cedar</u>	<u>T</u>	<u>FACW</u>	9. <u>Wood Fern</u>	<u>H</u>	<u>FAC</u>
2. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	10. <u>B</u>		
3. <u>White Cedar</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Red Maple</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Rubus Allegheniensis</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>Partridge Berry</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Rubus Allegheniensis</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:  <div style="text-align: center; font-size: 1.2em;">raining today</div>	

AD79C-UPL

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A		10YR-3/2		silt loam with organics
2-8	A <sub>1</sub>		10YR-3/3		silt loam
10-18	A <sub>2</sub>		10YR-4/4		" "

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

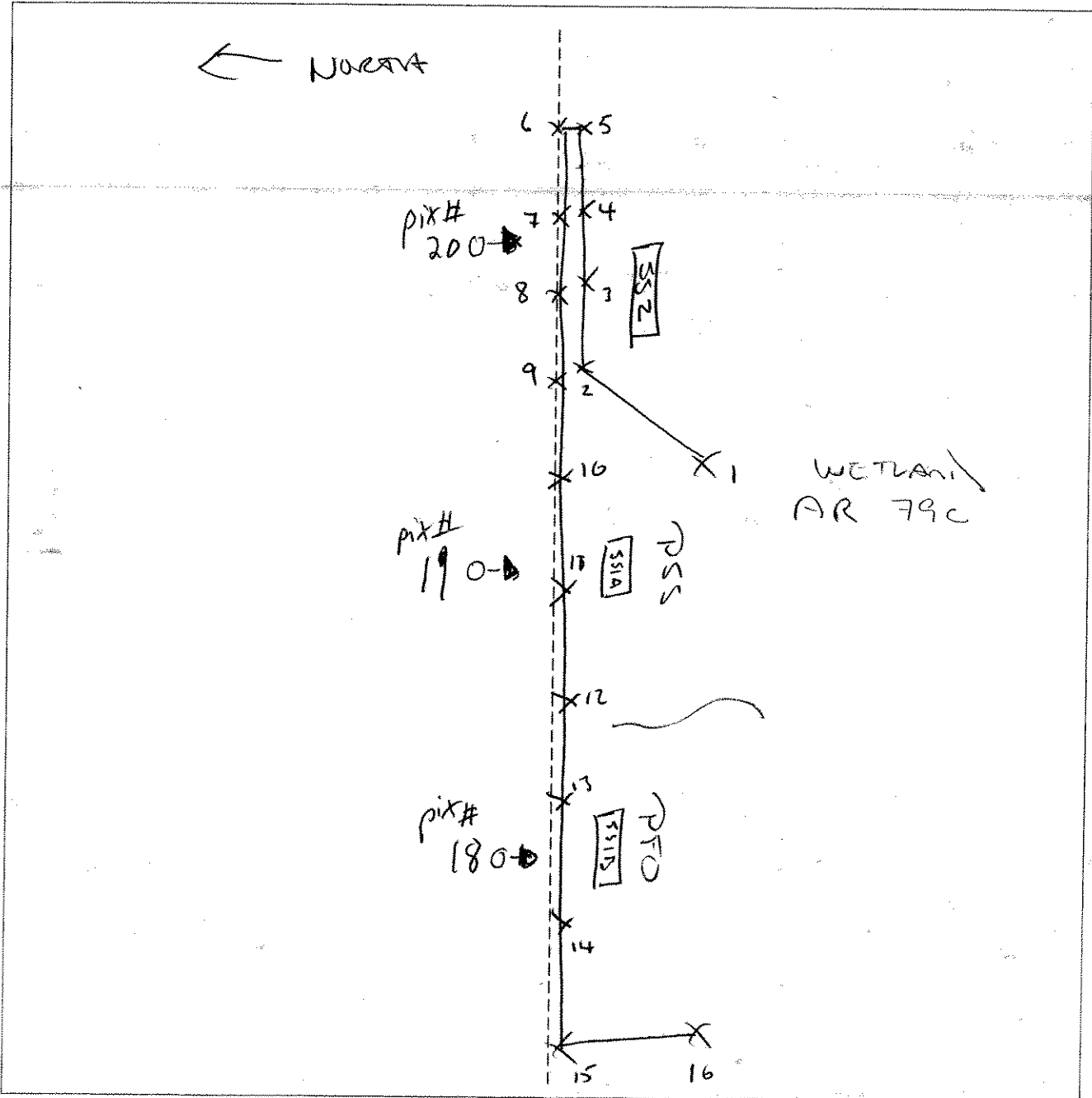
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>

Remarks

SKETCH FORM

Wetland ID/Route #: AR 79C / ROBARE Pond Rd.	Date: 10/25/05 Time: 0830
Initials of Delineators: TAD, KH	Location: ROBARE Pond Rd.
Roll #: 6	Frames: 20, 19, 18



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR80A-WL

Project Site: <u>Clinton Co.</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>AD, KH</u>	Date: <u>10/05/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>PSS</u> Transect ID: Plot ID: <u>AR 80A-551</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>40</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White Cedar</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Spicelike Nylr</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Carex crinita</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>Sphagnum Moss</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Fern sp.</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Low Meadow Grass</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>sensitive fern</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Willow Herb</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>- American Elm - subordinate T</u> <u>- Roll 6 pit # 17 looks like F</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>2 in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>It's raining</u>	



ID: AR80A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	O	10YR-2/1			Peat/organics
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol		<input type="checkbox"/> Concretions			
<input checked="" type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils			
<input checked="" type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils			
<input type="checkbox"/> Aquic Moisture Regime		<input type="checkbox"/> Listed on Local Hydric Soils List			
<input type="checkbox"/> Reducing Conditions		<input type="checkbox"/> Listed on National Hydric Soils List			
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)			
Remarks: sphagnum bog (floating)					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)		
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No			
				(Circle)	
				Is this Sample Station Point Within a Wetland?	Yes No
				Is this an Isolated Wetland?	Yes No
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR80A-UP2

Project Site: <u>Clinton Co</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>AD, KH</u>	Date: <u>10/25/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>upland forest</u> Transect ID: Plot ID: <u>AR80A-552</u>

**VEGETATION**

Plant Community Classification: upland forest

Percent Canopy Cover: Tree: 80 Shrub: 15 Herb: 5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White Cedar</u>	<u>T</u>	<u>FACW</u>	9. <u>Brauner Fern</u>	<u>H</u>	<u>FACU</u>
2. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	10. <u>club Moss</u>	<u>H</u>	<u>FAC</u>
3. <u>Acer Rubrum</u>	<u>T</u>	<u>FAC</u>	11. <u>Canada violet</u>	<u>H</u>	<u>—</u>
4. <u>Black cherry</u>	<u>T</u>	<u>FACU</u>	12.		
5. <u>Acer Rubrum</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Balsam Fir</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Wood Fern</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>American Elm</u>	<u>T</u>	<u>FACW-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80%

Remarks: transitional area  
Roll 6 pix #16 looks w

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Raining - false Hydro positive</u>	

ID: *AD80A*  
*UPL*

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	80YR-3/3			Organics
2-10	A	10YR-2/1			loam w/ organics

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

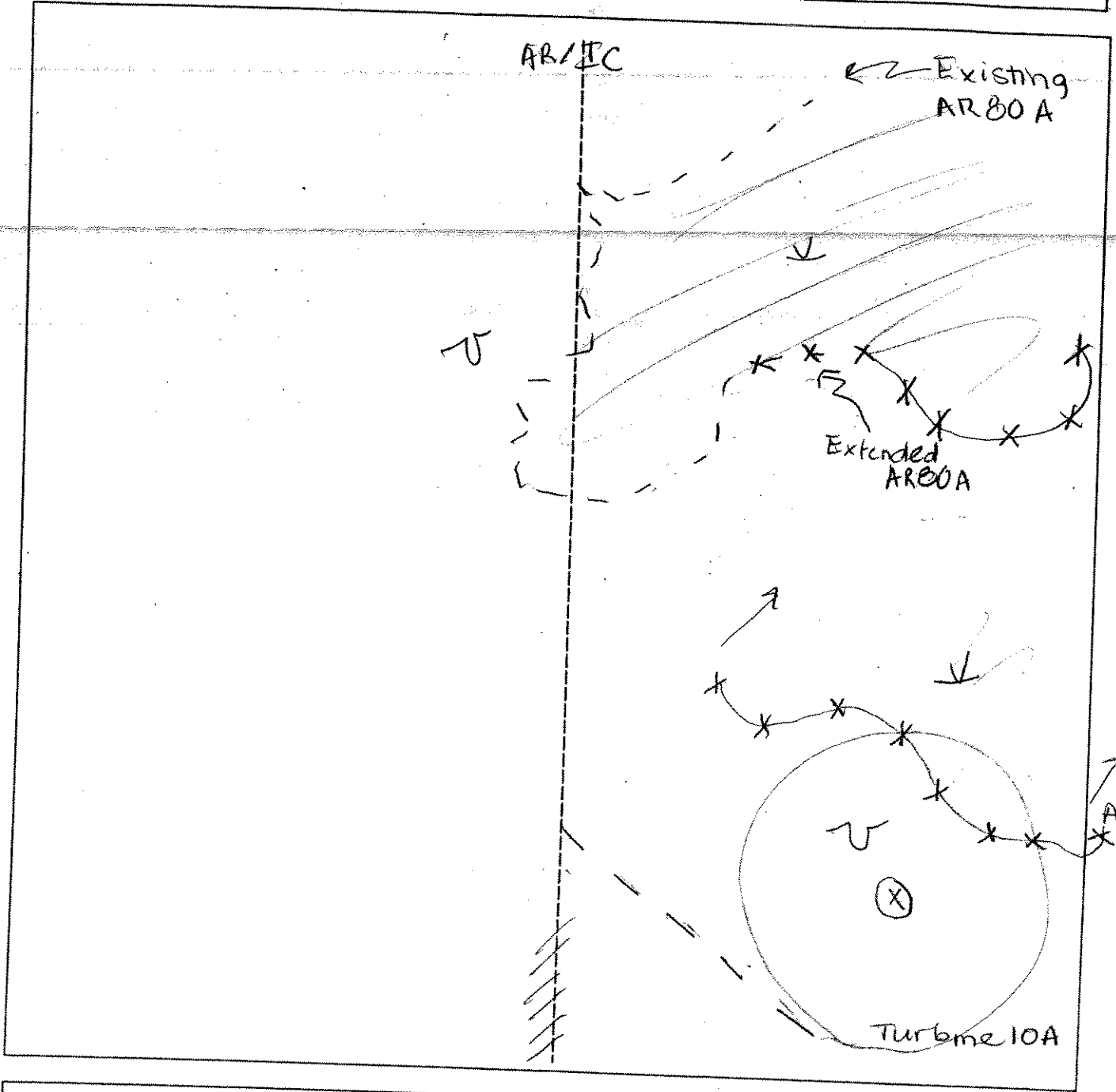
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
		Is this an Isolated Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>

Remarks

Line extension AR80/81A SKETCH FORM

Wetland ID/Route #: AR80A, AR1151A		Date: 9-7-06	Time:
Initials of Delineators: JB, JV		Location: AR to turbine 10A	
Roll #:	Frames:		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co.</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>K.H. RD</i>	Date: <i>10/25/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PFO/PSS</i> Transect ID: Plot ID: <i>AR81B-SS1</i>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *40* Shrub: *60* Herb: *80* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White cedar</i>	<i>T</i>	<i>FACW</i>	9. <i>Purple stem Aster</i>	<i>H</i>	<i>OBL</i>
2. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	10. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>
3. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	11. <i>Elder Berry</i>	<i>S</i>	
4. <i>American Elm</i>	<i>T</i>	<i>FACW</i>	12. <i>Carex intumescens</i>	<i>H</i>	<i>FACW</i>
5. <i>" "</i>	<i>S</i>	<i>FACW</i>	13.		
6. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	14.		
7. <i>" "</i>	<i>S</i>	<i>FAC</i>	15.		
8. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *coll 6 # 15 looks N at SS1*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>raining/snowing</i>	

ID: A03813-WL2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	D	10YR-2/1			loam w/organics
6-12	A	10YR-6/2			sandy clay
12-18	B	10YR-3/2 clay 5G4-6/1			clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle) Is this Sample Station Point Within a Wetland? Is this an Isolated Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No		Yes	No
Hydric Soils Present?	Yes	No		Yes	No
Remarks					

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

AR81B-UPL

Project Site: <u>Clinton Co.</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>W.A. B.D.</u>	Date: <u>10/25/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland Forest</u> Transect ID: Plot ID: <u>AR 81B-552</u>

**VEGETATION**

Plant Community Classification: Upland Forest

Percent Canopy Cover: Tree: 75 Shrub: 20 Herb: 5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>ATA puberum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Black cherry</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>White Cedar</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Balsam Fir</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>wood fern</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>fern tree-like club Moss</u>	<u>H</u>	<u>FAC</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 95%

Remarks: roll 6 # 14 100KS w out 552

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0/A heavy grass</u>	
Remarks: <u>- raining / showing</u> <u>- false positive for Hydro</u>	

ID: *AD81B-UP*

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-7/1			loam
"	"	5YR-3/3			organic
3-9	A	10YR-6/2			Sandy clay
9-12	B <sub>1</sub>	7.5YR-4/4			silt loam
12-18	B <sub>2</sub>	10YR-4/6			sandy clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	Is this Sample Station Point Within a Wetland?	<input type="radio"/> Yes <input checked="" type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks: *Heavy Rains - False Positive Hydro*











AR80/EI-A

SKETCH FORM

Wetland ID/Route #: AR80A connects to AR81B	Date: 10/25/05	Time:
Initials of Delineators: KH, BD	Location: Clinton Co. AR to WTB-10A	
Roll #: 6	Frames: 17, 16, 15, 14, 13	



 Photo Location/Direction	<b>Legend</b>	 Wetland
 Sample Station		 Upland
 Centerline		 Stream
 Flag		 Intermittent Stream

AR80/81-A



AR81A  
wl

Hunting  
Cabin

AR81B-1

CL  
Culvert

AR  
to WTB-10A

wl continues

AR81B-10A

AR80A-1

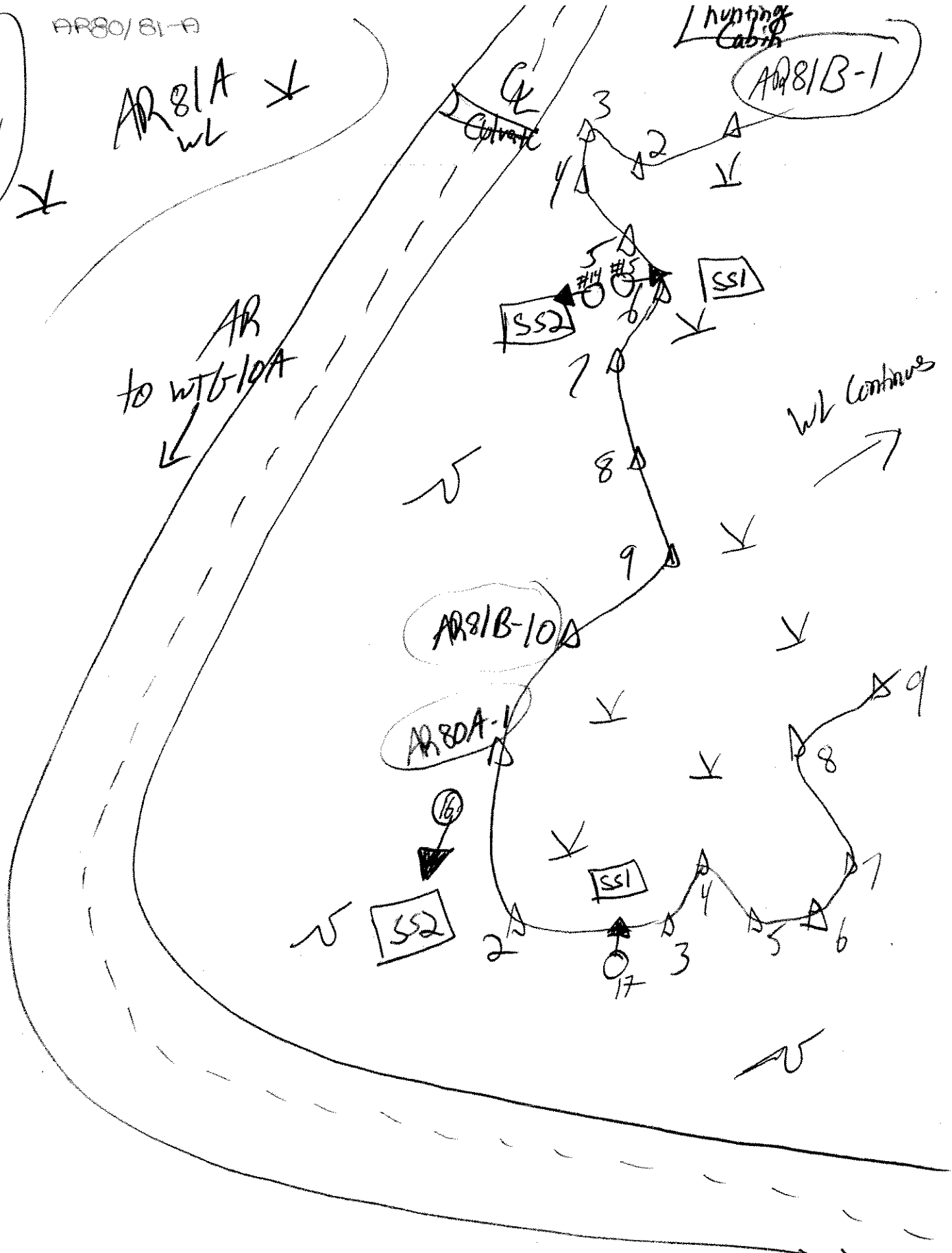
SS2

SS1

SS1

SS2

to WTB  
10A



AD 81A-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co.</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>1614 RDD</u>	Date: <u>10/29/03</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>PSS/PEM</u> Transect ID: <u>Open water</u> Plot ID: <u>AD 81A-SS1</u>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: 10 Shrub: 35 Herb: 20 Vine: 0 OW-75

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White Cedar</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Red Oak D. W.</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Neonard Sweet</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>American Elm</u>	<u>T</u>	<u>FACV-</u>	13.		
6. " "	<u>S</u>	<u>FACW-</u>	14.		
7. <u>Wood Goose</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Trill sp.</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: AD 81A-SS1

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>&gt; 1 ft</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Heavy Rain/ Light Snow</u>	

ID: AR 81A - 551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-2/1			loam
7-14	A <sub>1</sub>	10YR-5/2			clay loam
	"	10YR-2/1			" "

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: refusal layer at 14 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR81A-UPZ

Project Site: <u>Clinton County</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>WJ, RD</u>	Date: <u>10/25/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland forest</u> Transect ID: Plot ID: <u>AR81A-SSZ</u>

**VEGETATION**

upland forest

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>30</u>	Shrub: <u>40</u>	Herb: <u>50</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	9. <u>Grass sp</u>	<u>H</u>	<u>-</u>
2. <u>Blackberry</u>	<u>T</u>	<u>FACW</u>	10. <u>Wood Fern</u>	<u>H</u>	<u>FAC</u>
3. <u>Red Maple</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Red Oak</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Balsam Fir</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Mountain Ash</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Rubus Alleghaniensis</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>" "</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>30%</u>					
Remarks: <u>10/6 pits # 13 + 12 look <del>W</del> of SS1 + SS2</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Heavy rains / snowing light</u>	

ID: ARB/A - UPL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR-2/1			Silt loam
4-8	A	10YR-5/3			Sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of Auger at 8 inches

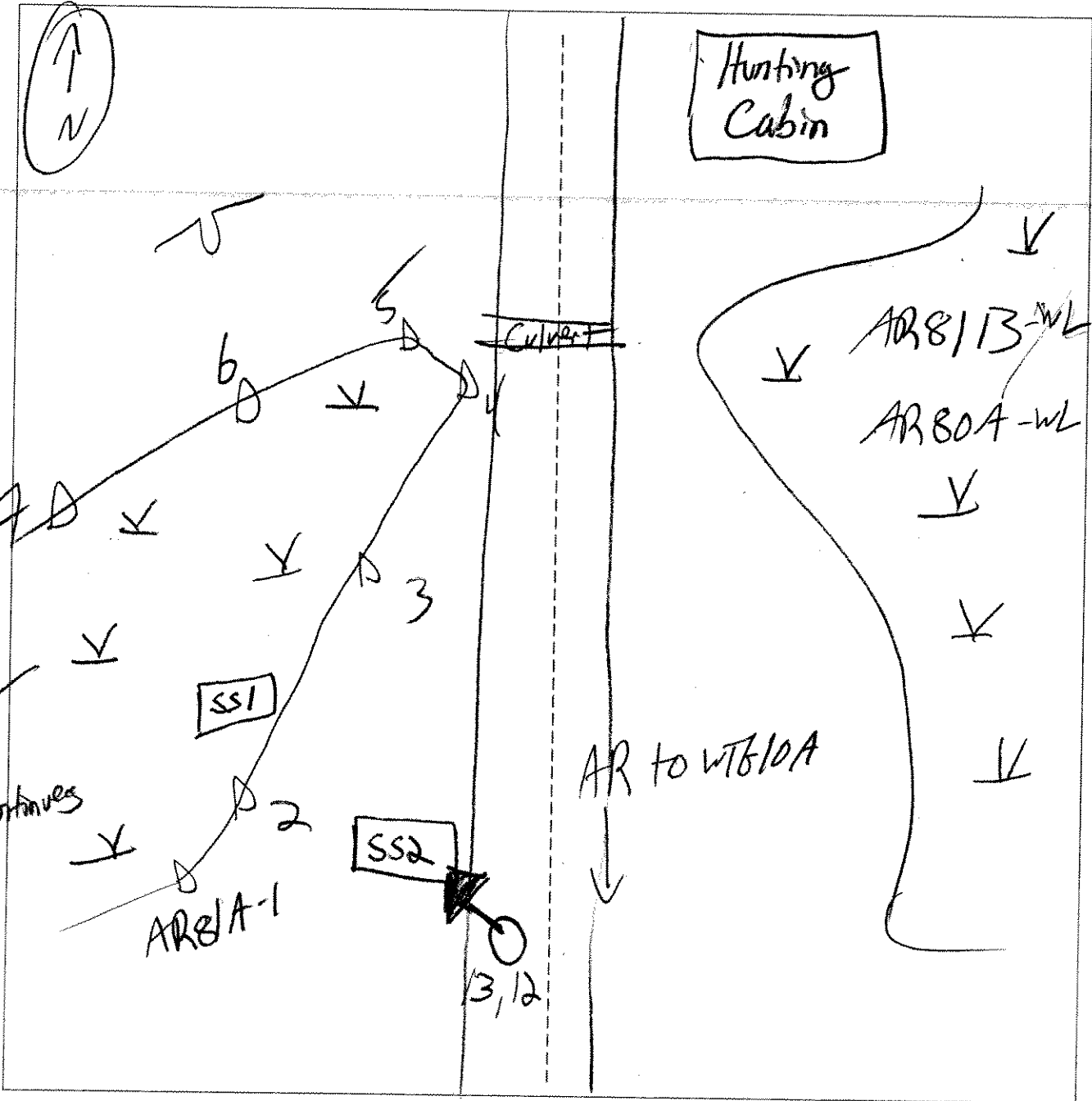
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes Yes Yes	No No No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes Yes Yes	No No No	(Circle)
Wetlands Hydrology Present?				Is this an Isolated Wetland?			
Hydric Soils Present?							

Remarks: Hydro - false positive

SKETCH FORM

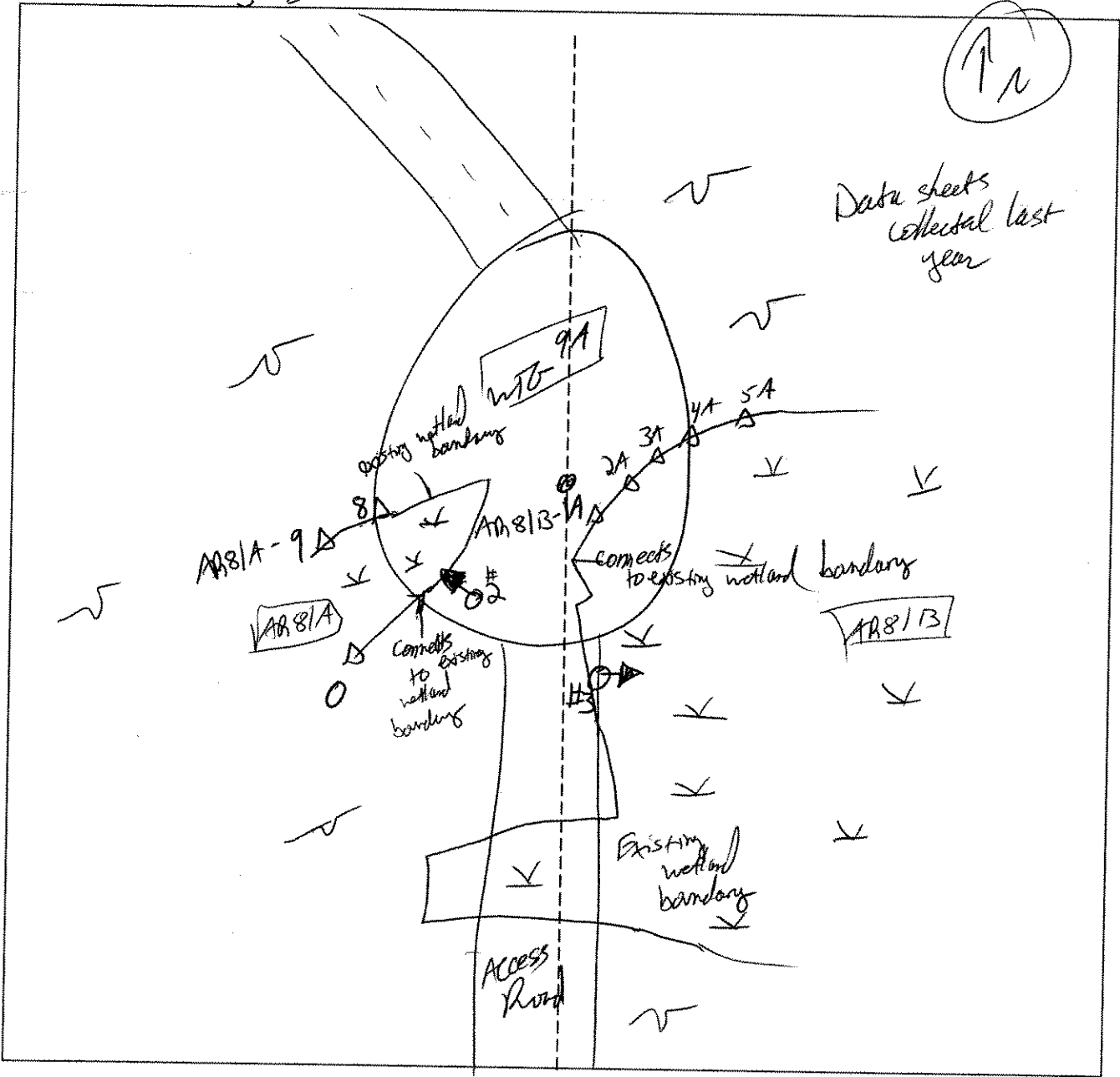
Wetland ID/Route #: <b>AR81A</b>	Date: <b>10/25/05</b>	Time: <b>13:30</b>
Initials of Delineators: <b>KH, RD</b>	Location: <b>Clinton Co. AR to WT610A</b>	
Roll #: <b>6</b>	Frames: <b>13, 12 - same picture x 2</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <i>AR 81A / AR 81B</i>		Date: <i>5/17/06</i>	Time:
Initials of Delineators: <i>BR, ISH</i>		Location: <i>WTF 9A</i>	
Roll #: <i>11A</i>	Frames: <i>2-W</i> <i>3-E</i>		

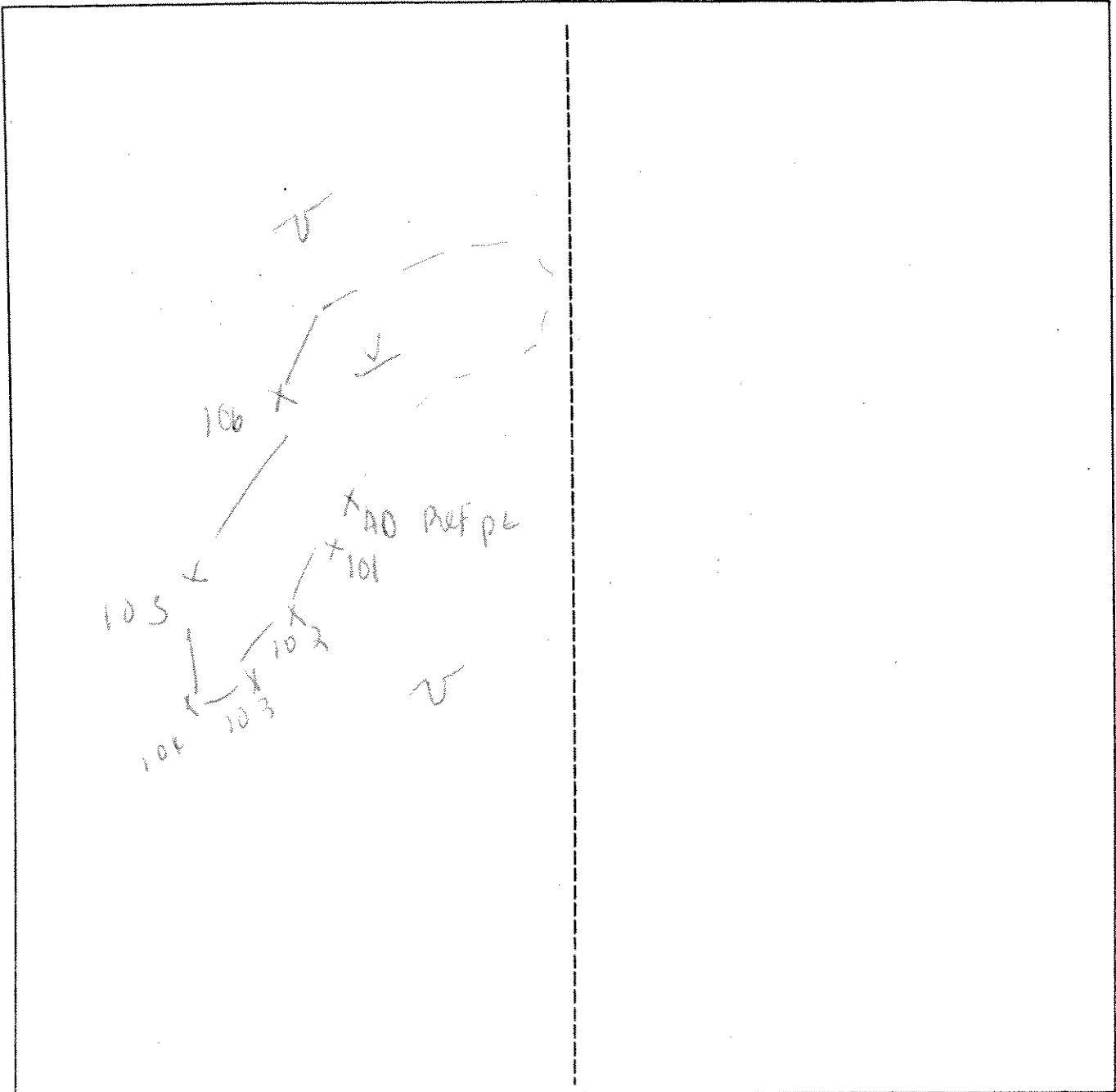


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream



**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR01A - extended	<b>Date:</b> 10/12/06	<b>Time:</b>
<b>Initials of Delineators:</b> IB JV	<b>Location:</b> Bobare pond Road	
<b>Roll #:</b>	<b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i>	Date: <i>Oct. 7, 2005</i>
Applicant/Owner: <i>HORTON</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: Transect ID: Plot ID: <i>AR102A SS 1</i>

**VEGETATION**

*PEW*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input type="checkbox"/> Herb: <input checked="" type="checkbox"/> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Typha effusa</i>	<i>Herb</i>	<i>FACW</i>	9.		
2. <i>Polygonum hydropiper</i>	<i>Herb</i>	<i>N1</i>	10.		
3. <i>Scirpus microscopus</i>	<i>Herb</i>	<i>OBL</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>WO</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>Unknown</i> Depth to Saturated Soil (in.): <i>To surface</i>	
Remarks: <i>Saturated to the surface</i>	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>J. Arnett, S. Ryan</u>	Date: <u>7 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 102 ASS 2 upland</u>

**VEGETATION**

Open Upland

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Trifolium repens</u>	<u>Herb</u>	<u>NI</u>	9.		
2. <u>Misc. pasture grasses</u>	<u>Herb</u>	<u>NI</u>	10.		
3. <u>Plantago major</u>	<u>Herb</u>	<u>FACU</u>	11.		
4. <u>Leon toborow Autumnal</u>	<u>Herb</u>	<u>NI</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u>					
Remarks: <u>Heavily grazed, unable to distinguish grass species</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>No hydrologic indicators</u>	

ID: AR 102 A 55 2

**SOILS**

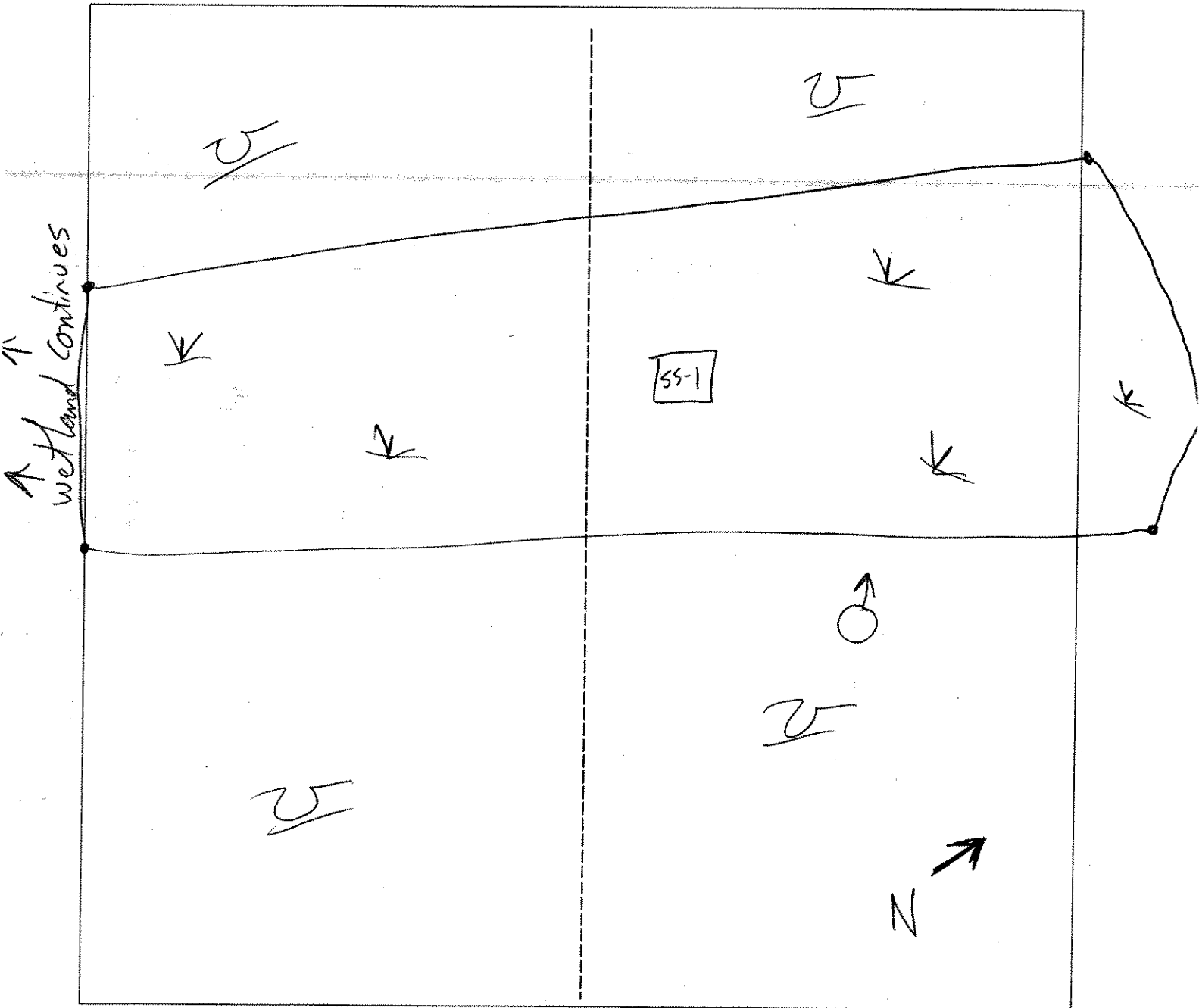
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10R 4/3	—	—	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Soil nearly impossible to dig into because of compaction & rockiness.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks			

SKETCH FORM

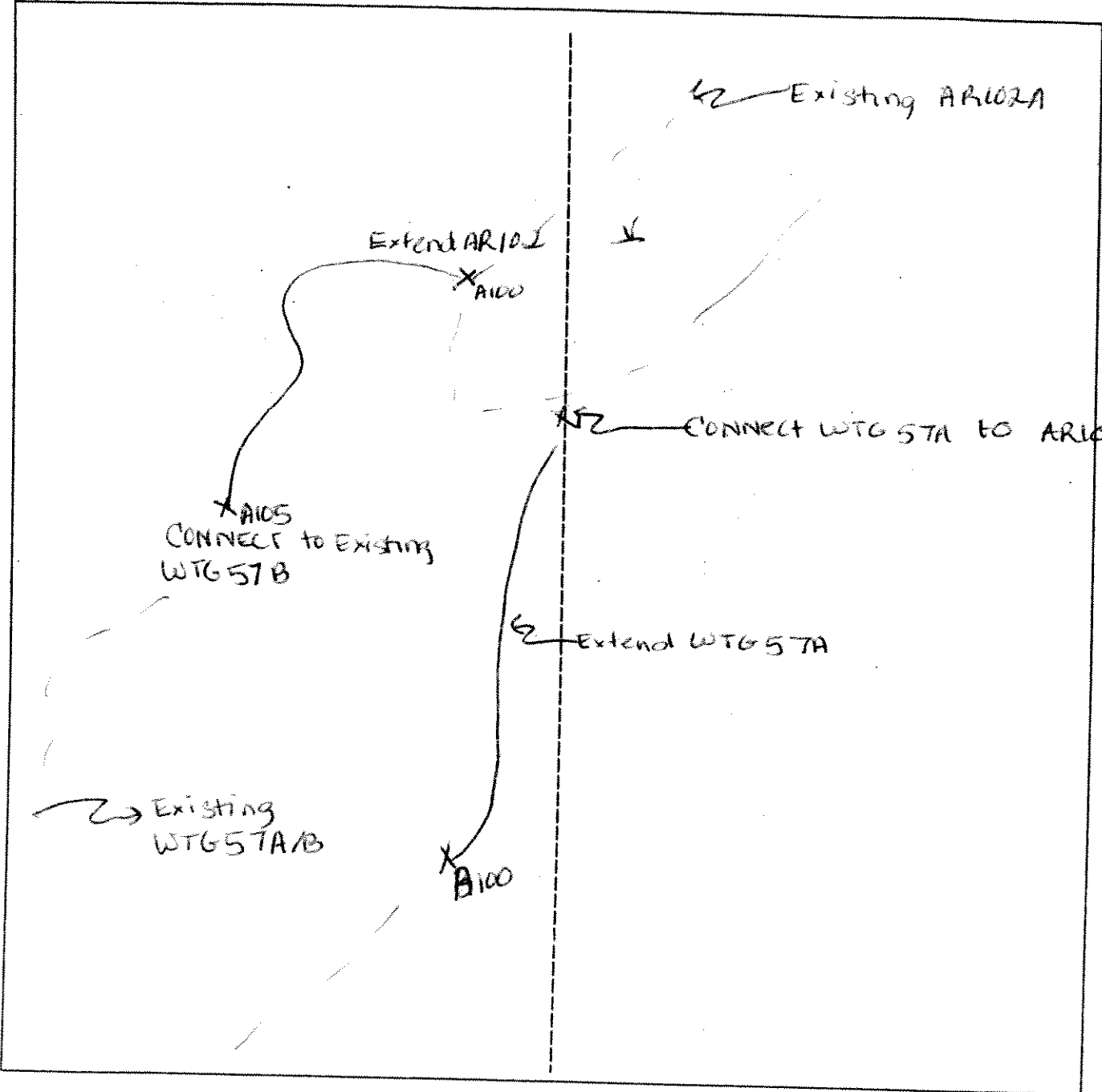
Wetland ID/Route #: AR 102 A	Date: 7 Oct 2009	Time: 10:30
Initials of Delineators: JA, SR	Location: Clinton Co. Wind Farm	
Roll #:	Frames: Photo Looking NW	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

SKETCH FORM

Wetland ID/Route #: AR102A (extend) WTG-57A (extend)		Date: 10/13/00	Time: 1120
Initials of Delineators: IB JV		Location: T Around b) + T. 57 + 59	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>HORIZON</i> Investigator: <i>JA, SR</i>	Date: <i>7 Oct 2005</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR 103AR SS-1</i>

**VEGETATION**

*PEM*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100%</i> Vine: <input checked="" type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aster viminalis</i>	Herb	FAC	9.		
2. <i>Impatiens capensis</i>	Herb	FACW	10.		
3. <i>Oxalis sensibilib.</i>	Herb	FACW	11.		
4. <i>Solidago rugosa</i>	Herb	FAC	12.		
5. <i>Polygonum hydropiper</i>	Herb	NI	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 14</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to the surface</i>	



**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 3/2			silt loam
5-7	Sand lens	10YR 4/1	10YR 4/4	streaking	sand
7-14	B	10YR 5/2	10YR 6/8	few faint med	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		
		(Circle)	
		Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks Some of wetland extends out into mowed field, most is <del>prairie</del> surrounded by trees			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>Hoerlein</i> Investigator: <i>J. Arnett, S. Ryan</i>	Date: <i>7 Oct 2005</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR103 AB SS 2 - upland</i>

**VEGETATION**

*Upland Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Prunus serotina</i>	<i>Shrub</i>	<i>FACW</i>	10.		
3. <i>Onoclea sensibilis</i>	<i>Herb</i>	<i>FACW</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *67*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	

Remarks: *No indicators of hydrology*

**SOILS**

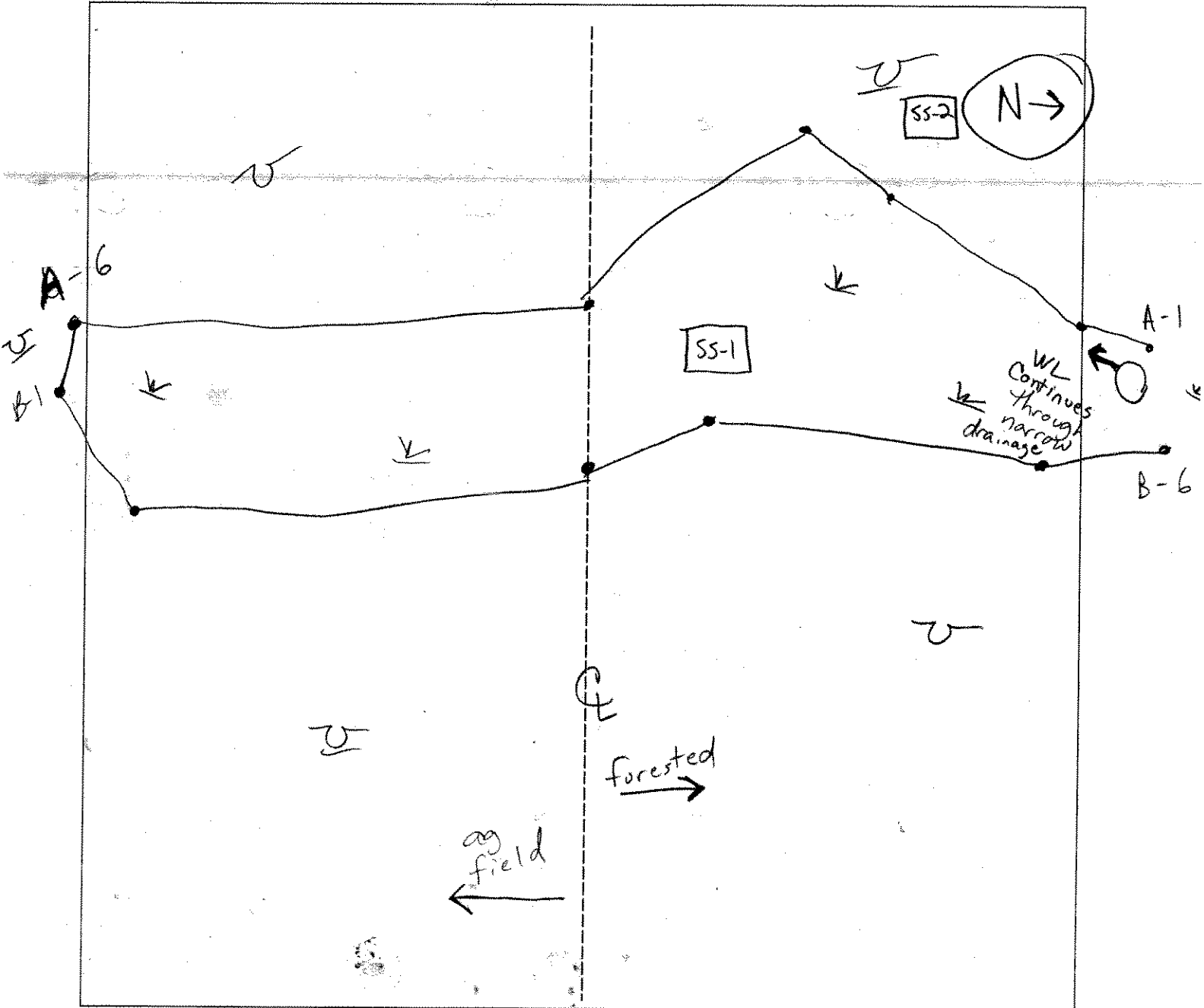
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 4/4	—	—	Org + loam
1-10	A	10YR 4/4	—	—	silt loam
10+14	B	10YR 4/6	—	—	sandy silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>clear upland forest. Clear wetland boundary</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle) Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/> Is this an Isolated Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

SKETCH FORM

Wetland ID/Route #: AR103AB	Date: 7 Oct 2005	Time: 11:00
Initials of Delineators: JA, SR	Location: Clinton County Wind Farm	
Roll #:	Frames: Photo to N SW	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1/PSS Transect ID: Plot ID: AR 103 AB SSI

**VEGETATION**

Plant Community Classification: *Red maple mesic*  
 Percent Canopy Cover: Tree: 40 Shrub: 30 Herb: 90 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	PAC	9.		
2. <i>Ulmus americana</i>	T	FACW	10.		
3. <i>Prunus serotina</i>	S	FACW	11.		
4. <i>Cornus serotensis</i>	H	FACW	12.		
5. <i>Impatiens capensis</i>	H	FACW	13.		
6. <i>Aster sp</i>	H	-	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75.0%

Remarks: No i.d. due to time of year

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: Wetland receives discharge from adjacent fields located to E + W	

Date: 5/5/07  
 Community ID: PF01/P55  
 Plot ID: AR103 AB 581

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	10YR 2/6	Common / fine / faint	Sandy clay loam
12-14	B	10YR 6/2	10YR 6/6	many / med / distinct	Sandy clay loam

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input checked="" type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

Photo 6 => N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR103 AB SSR

**VEGETATION**

EXTENSION

Plant Community Classification: <u>Ag Field</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Taraxacum officinale</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Trifolium pratense</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>Eragrostis virginiana</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Plantago sp</u>	<u>H</u>	<u>FACU</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/07  
 Community ID: UPL  
 Plot ID: AR103 AB 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

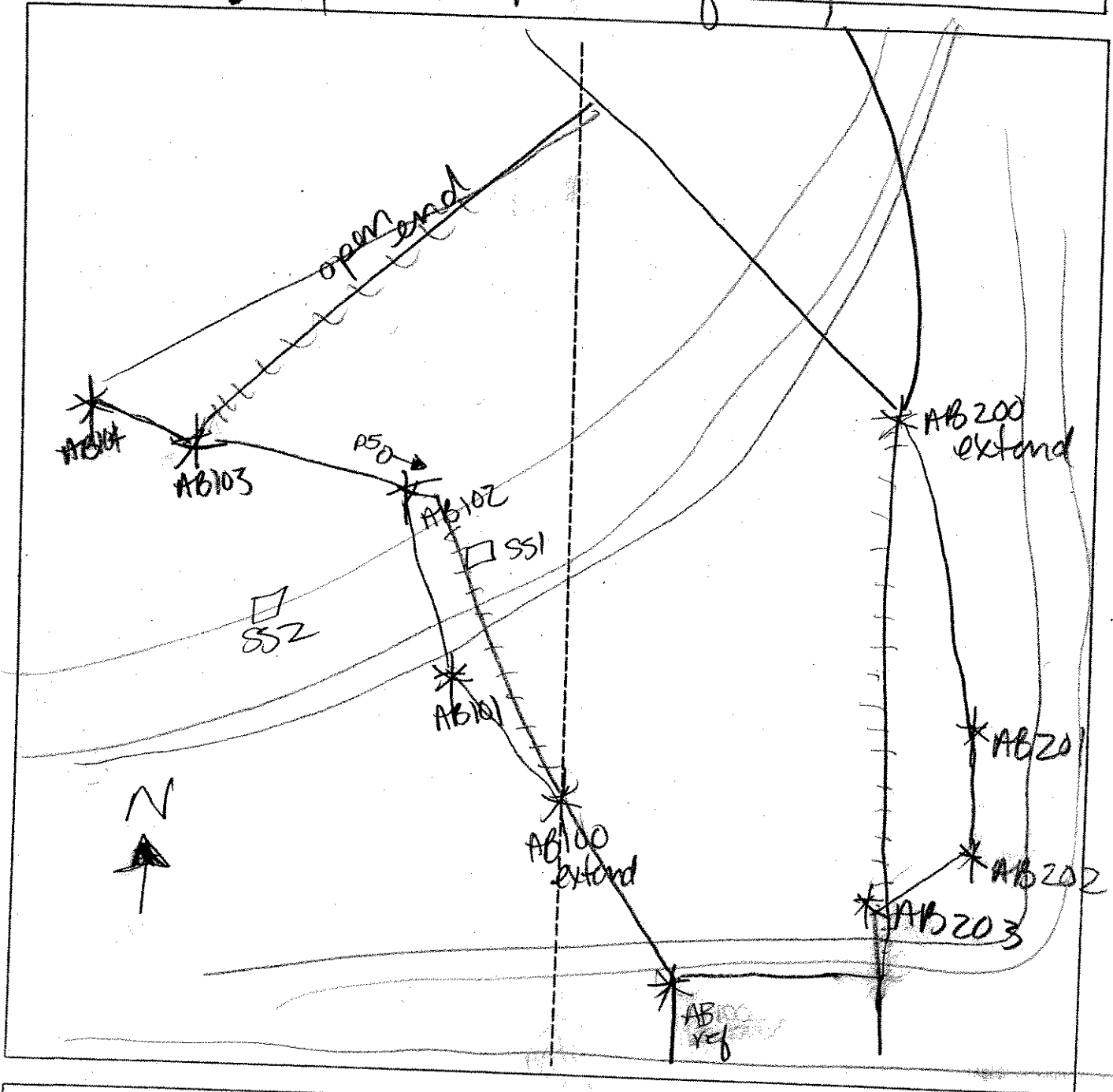
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks



SKETCH FORM

Wetland ID/Route #: AR103AB EXTENSION		Date: 5 May 07	Time:
Initials of Delineators: JV - AP		Location: AR103AB	
Roll #:	Frames: photo 5 by AB10Z facing SE		



R50 ▷	Photo Location/Direction	<b>Legend</b>	∨	Wetland
□	Sample Station		U	Upland
- - -	Centerline		—	Stream
▷	Flag		- . -	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u>	Date: <u>7 Oct 2005</u>
Applicant/Owner: <u>Horizon</u>	County: <u>Clinton</u>
Investigator: <u>T. Arnett, S. Ryan</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <u>AR 104 ABSS-1</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

PCW/PCS

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="radio"/>	Shrub: <input type="radio"/>	Herb: <input type="radio"/>	Vine: <input checked="" type="radio"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Salix</u>	Shrub	FACW/P	9. <u>Glyceria canadensis</u>	Herb	OBL
2. <u>Spiraea latifolia</u>	Shrub	FAC			
3. <u>Solidago rugosa</u>	Herb	FAC			
4. <u>Scirpus cyperinus</u>	Herb	OBL			
5. <u>Aster vimineus</u>	Herb	FAC			
6. <u>Ranunculus repens</u>	Herb	FAC			
7. <u>Potamogeton amplifolius</u>	Herb	FACU			
8. <u>Potamogeton amplifolius</u>	Herb	OBL			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>7/8 88%</u>					
Remarks: <u>Circled dominant</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>to 6"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

AR  
ID: 104 ABSS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 3/2			silt loam
2-14	B	10YR 5/2	10YR 6/2	abundant small distinct	sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input checked="" type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remarks: wet develops PSS/ with drainage ditch to the NW		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wood Farm</i>	Date: <i>7 Oct 2005</i>
Applicant/Owner: <i>HURTON</i>	County: <i>Clinton County</i>
Investigator: <i>D. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR 104 AB SS - 2 upland</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*open upland*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input checked="" type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Trifolium repens 10</i>	<i>Herb</i>	<i>ND</i>	<i>9.</i>		
<i>2. Leontodon autumnalis 20</i>	<i>Herb</i>	<i>ND</i>	<i>10.</i>		
<i>3. Ranunculus repens 40</i>	<i>Herb</i>	<i>FAC</i>	<i>11.</i>		
<i>4. Trifolium pratense 15</i>	<i>Herb</i>	<i>NT</i>	<i>12.</i>		
<i>5. Vicia sp. 15</i>	<i>Herb</i>	<i>NT</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *20%*

Remarks: *Mowed hay field*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	

Remarks: *No evidence of hydrology*

ID: AR104 ABSS 2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2			silt loam
3-8	B	10YR 2/2	10YR 5/0	few faint roots	silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Rocky + compacted - could not get deep soil profiles

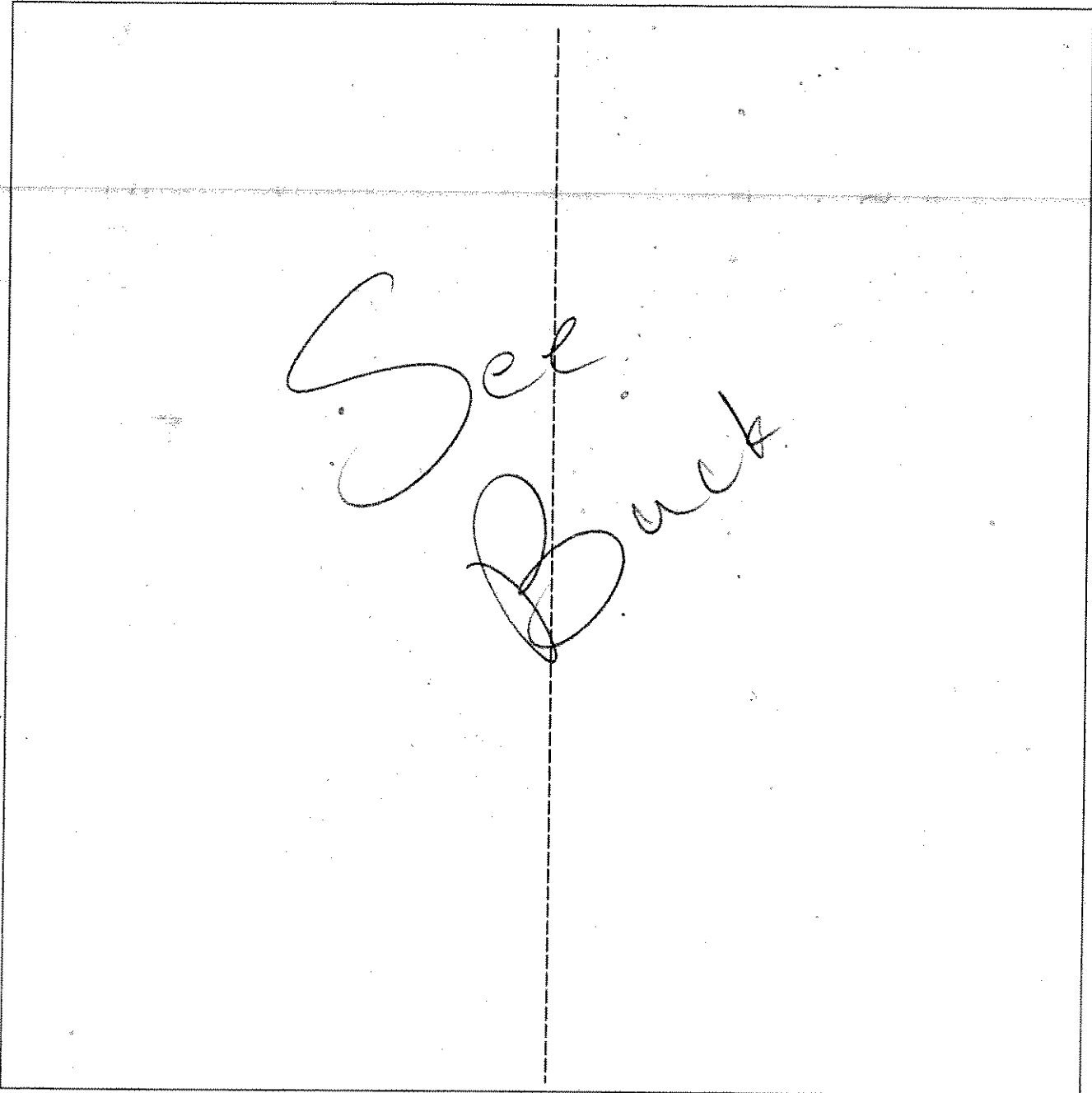
**WETLAND DETERMINATION**









Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Remarks: The boundary is indistinct, the upland is in mowed hay field that rises gradually up from PSS wetland. Based primarily on appearance of upland plants

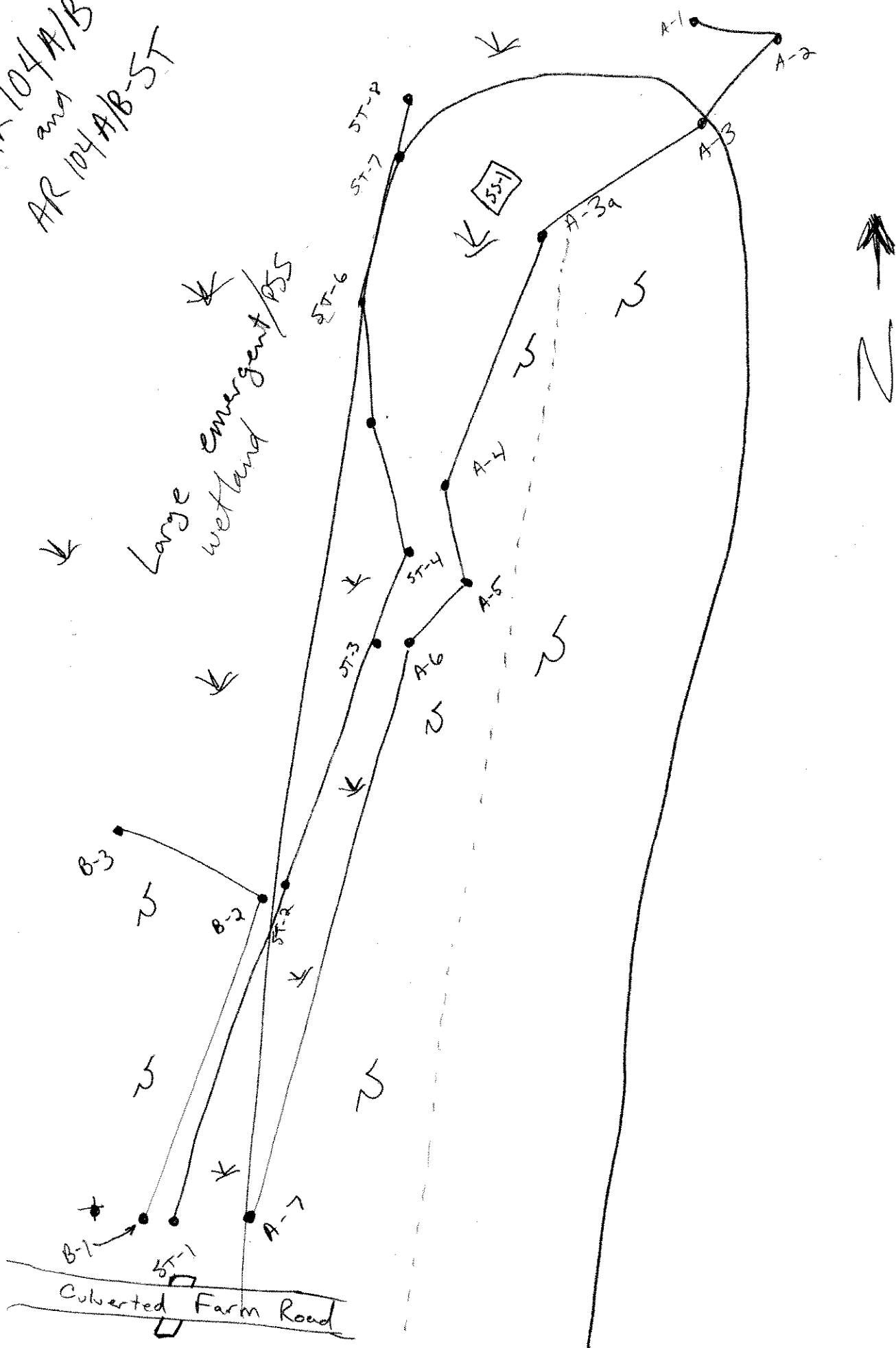
SKETCH FORM

Wetland ID/Route #: AR 104 A/B	Date: 10-7-05	Time: 11:30
Initials of Delineators: SE JA	Location: Clinton, County Wind Farm	
Roll #:	Frames:	



<u>Legend</u>	
 Photo Location/Direction	 Wetland
 Sample Station	 Upland
 Centerline	 Stream
 Flag	 Intermittent Stream

AR 104 A/B  
and  
AR 104 A/B-ST



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: Clinton Co. Wind Farm	Date: 7 Oct 2005
Applicant/Owner: <i>Huron</i>	County: Clinton
Investigator: <i>J. Arnett, S. Ryan</i>	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR105A5C1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*Pen/PSS*

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree:  Shrub: \_\_\_\_\_ Herb: \_\_\_\_\_ Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Salix</i>	95	Shrub	9.		
2. <del><i>Onoclea sensibilis</i></del>		Herb	10.		
3. <i>Acer rubrum</i>	10	Tree	11.		
4. <i>Fraxinus pennsylvanica</i>	5	Shrub	12.		
5. <i>Prunus serotina</i>	2	Shrub	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *00%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&lt; 12</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to the surface. Dense PHAR along forest edge</i>	



ID: AR105A551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2			sandy silt loam
6-14+	B	10YR 5/2	10YR 5/6	few faint	sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

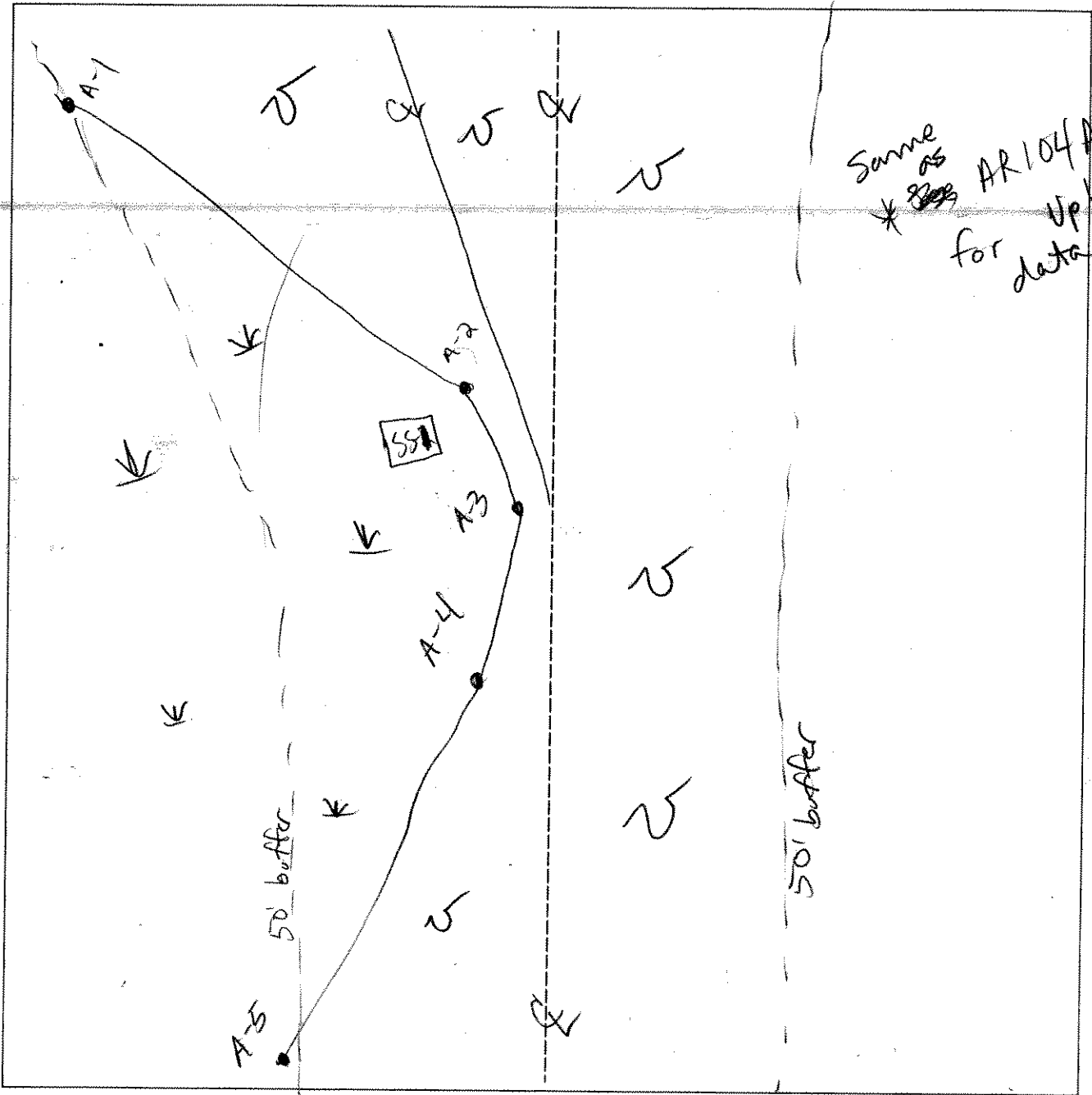
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No

Remarks  
upland plot as AR104AB552

SKETCH FORM

Wetland ID/Route #: AR 105 A	Date: 10-2-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames: Photo from distance looking W	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co. Wind Farm</i>	Date: <i>9 October 2005</i>
Applicant/Owner: <i>HURLEN</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR111 AB 55-1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*(PTO) / PEM*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>100</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Glyceria striata 20</i>	<i>Herb</i>	<i>OBL</i>	<i>9. Ulmus americana 5</i>	<i>Tree</i>	<i>FACW</i>
<i>2. Carex scabrata 40</i>	<i>Herb</i>	<i>OBL</i>	<i>10.</i>		
<i>3. Athyrium filix femina 15</i>	<i>Herb</i>	<i>FAC</i>	<i>11.</i>		
<i>4. Dryopteris 15</i>	<i>Herb</i>	<i>FAC+</i>	<i>12.</i>		
<i>5. Acer rubrum 50</i>	<i>Tree</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Betula alleghaniensis 50</i>	<i>Tree</i>	<i>FAC</i>	<i>14.</i>		
<i>7. Fagus grandifolia 0</i>	<i>Shrub</i>	<i>FACU?</i>	<i>15.</i>		
<i>8. Impatiens capensis 10</i>	<i>Herb</i>	<i>FACU</i>	<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80</i>					
Remarks: <i>Fagus is listed as both FACU and FAC+ - either way, hydrophytes predominate</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>to 8"</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to surface throughout, to 8" deep in ponding along stream course</i>	

ID: AR 111 AB 55-1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations: Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	silt loam
6-14	B	10YR 4/1	—	—	—
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	Yes No
		Is this an Isolated Wetland?	Yes No
Remarks well developed PFO, along stream channel - water in stream mostly not moving.			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>J. Arnett, S. Ryan</i>	Date: <i>9 Oct 2005</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR III AB SS-2 upland</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>70</i> Herb: <i>20%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<input checked="" type="checkbox"/> 1. <i>Tilia americana</i> 35	<i>Tree</i>	<i>FACU</i>	9. <i>orchid - in fr.</i> +	<i>H</i>	<i>unknown</i>
<input checked="" type="checkbox"/> 2. <i>Taxus canadensis</i> 5	<i>Tree</i>	<i>FACU</i>	10. <i>Aster umbellatus</i> +	<i>H</i>	<i>FACW</i>
<input checked="" type="checkbox"/> 3. <i>Betula alleghaniensis</i> 20	<i>Tree</i>	<i>FAC</i>	11. <i>Taraxacum officinale</i> +	<i>H</i>	<i>FACU-</i>
<input checked="" type="checkbox"/> 4. <i>Acer saccharinum</i> 10	<i>Tree</i>	<i>FACU-</i>			
<input checked="" type="checkbox"/> 5. <i>Rubus idaeus</i> 50	<i>Shrub</i>	<i>FACU</i>			
<input checked="" type="checkbox"/> 6. <i>Sambucus canadensis</i> 10	<i>Shrub</i>	<i>FACU-</i>			
<input checked="" type="checkbox"/> 7. <i>Dryopteris intermedia</i> 20	<i>Herb</i>	<i>FACU</i>			
<input checked="" type="checkbox"/> 8. <i>Acer saccharinum</i> 10	<i>Shrub</i>	<i>FACU-</i>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>No evidence of hydrology</i>	

**SOILS**

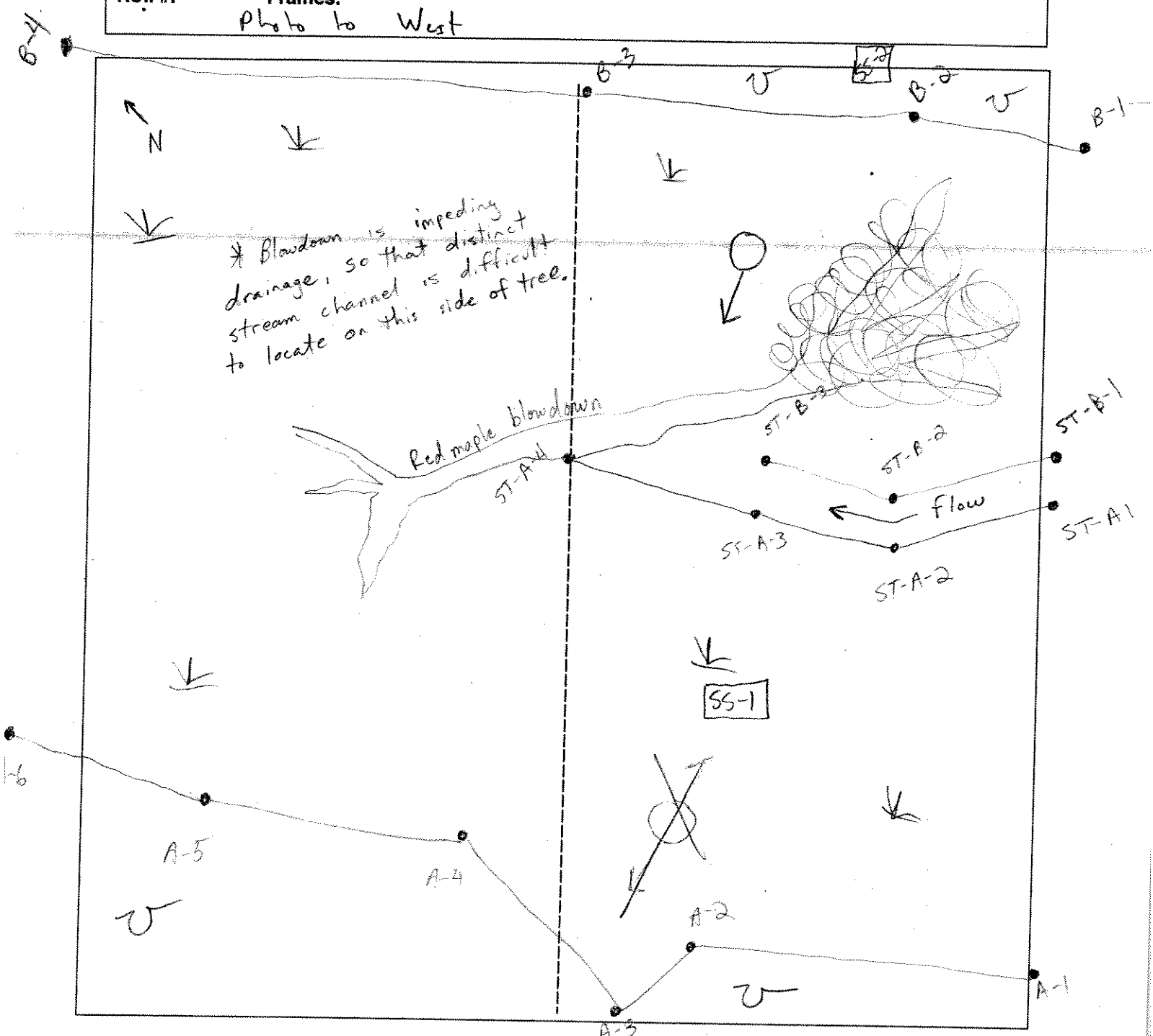
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	5YR 2/1			duff, peat
2-5	A	10YR 2/1			silt loam
5-14	B	10YR 7/2	10YR 5T/2	Many distinct	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks			
<p>Terrace above the flat bottom of the creek has          upland          wetland          stream</p>			

# SKETCH FORM

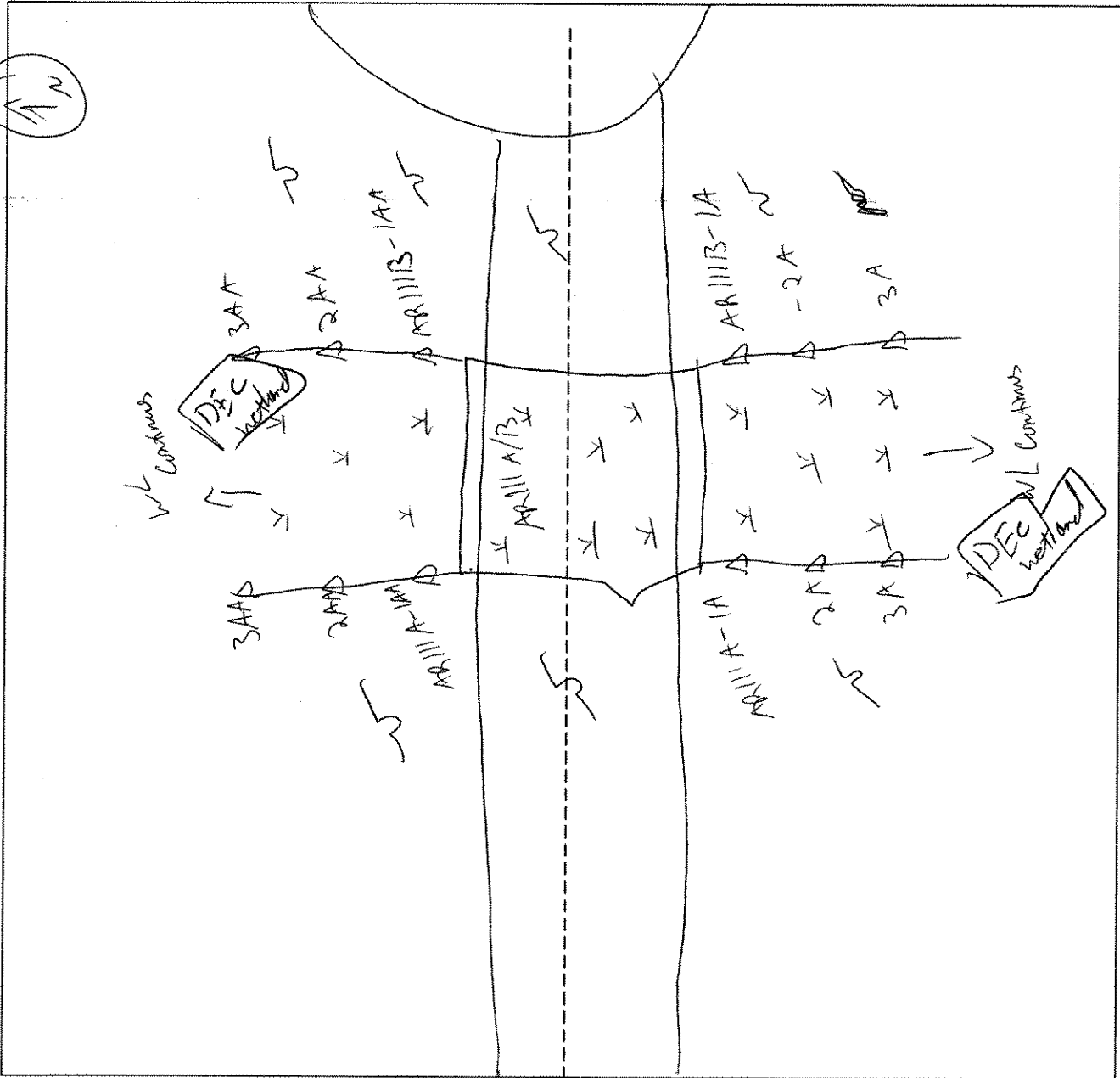
<b>Wetland ID/Route #:</b> AR III AB	<b>Date:</b> 9 Oct 2005	<b>Time:</b> 10:15
<b>Initials of Delineators:</b> JA, CR	<b>Location:</b>	
<b>Roll #:</b>	<b>Frames:</b> photo to West	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <i>AR111A/B-extension</i>	Date: <i>5/20/06</i>	Time:
Initials of Delineators: <i>KH BR</i>	Location: <i>AR between WFT 206 + WFT 55</i>	
Roll #: <i>taken last year</i>	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wood Farm</i>	Date: <i>10 October 2005</i>
Applicant/Owner: <i>HORRAN</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, S. Ryan, J. Farrell</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <i>AR114AB SS-1</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

*(PFO)*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>100</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula alleghaniensis</i> <i>80</i>	<i>I</i>	<i>FAC</i>	9.		
<i>2. Urtica americana</i> <i>10</i>	<i>I</i>	<i>FACW-</i>	10.		
<i>3. Glyceria striata</i> <i>85</i>	<i>H</i>	<i>OBL</i>	11.		
<i>4. Oubodea cespitosa</i> <i>10</i>	<i>U</i>	<i>FACW</i>	12.		
<i>5. Aster umbellatus</i> <i>5</i>	<i>U</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Saturated to the surface</i>	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 7/1	—	—	sandy silt loam, high organic
> 6"	rock				

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: Thin organic soil over cobbles, presumably deposited on top of stream meander zone

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)  Is this Sample Station Point Within a Wetland? Yes No Is this an Isolated Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks: Narrow wetland that occupies the stream meander zone of a small stream.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: <u>HORFENS</u> Investigator: <u>J. Arnett, L. Ryan, J. Farrell</u>	Date: <u>10 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR114AB-SS 2</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>20</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <u>Abies balsamea</u> 15	T	FAC	9.		
✓ 2. <u>Prunus</u> sp 15	T	FACU	10.		
✓ 3. <u>Populus tremuloides</u> 80	S	FACU	11.		
✓ 4. <u>Fagus grandifolia</u> 10	T		12.		
✓ 5. <u>Betula alleghaniensis</u> 20	T	FAC	13.		
✓ 6. <u>Dryopteris intermedia</u> 10	H	FACU	14.		
✓ 7. <u>Onoclea sensibilis</u> 10	H	FACW	15.		
✓ 8. <u>Corylus cornuta</u> 15	S	FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>3/7 = 43%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 8</u> Depth to Saturated Soil (in.): <u>&gt; 8</u>	
Remarks: <u>No evidence of hydrology. Unable to get deeper than 8" because of rock subsurface</u>	

ID: AR114AB55 2

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	—	—	silt loam, high organic

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: marginal det. of hydric soils - unable to get to deeper horizon

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
			Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>

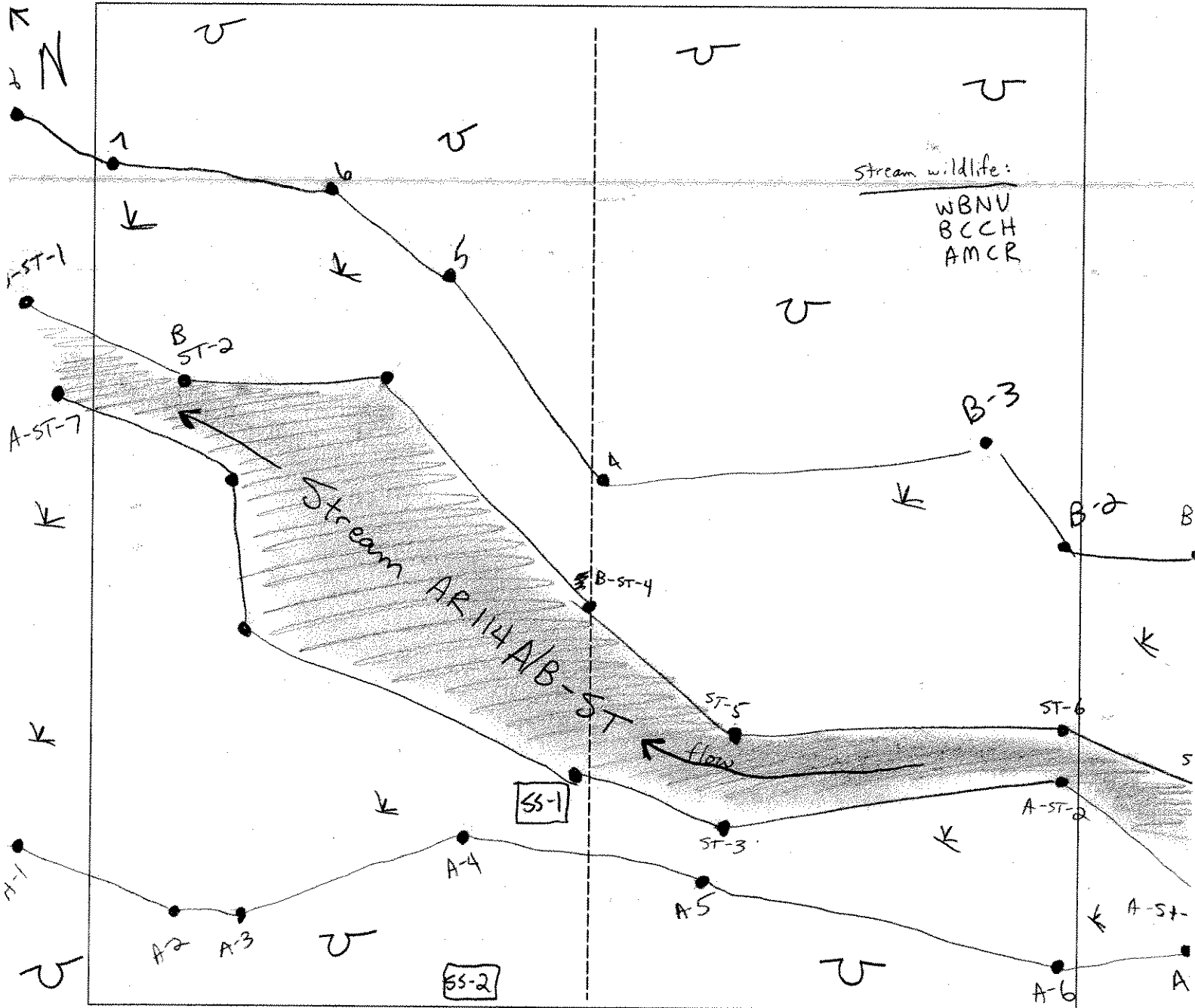
Remarks

31 23  
70  
19

43  
75 30  
28  
20

SKETCH FORM

Wetland ID/Route #: AR114 A/B with AR114 A/B-ST	Date: 10-10-05	Time: 12:30 pm
Initials of Delineators: S.R. J.A.	Location: Clinton County Wind Farm	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County Wind Farm</u>	Date: <u>10 Oct. 2005</u>
Applicant/Owner: <u>HORICON</u>	County: <u>Clinton</u>
Investigator: <u>J. Avrilly, S. Ryan, J. Farrell</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <u>AR15A/C SS 1</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

PSS.

Plant Community Classification:

Percent Canopy Cover: Tree: 25 Shrub: 90 Herb: 60 Vine: 20

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <i>Alnus rugosa</i> 80	S	FACW	9. <i>Rubus pulcherrimus</i> 20	H	FACW
✓ 2. <i>Acer rubra</i> 10	T	FAC	10.		
✓ 3. <i>Thuja occidentalis</i> 15	T	FACW	11.		
✓ 4. <i>Rubus odoratus</i> 5	S		12.		
→ ✓ 5. <i>Osmunda cinnamomea</i> 20	H	FACW	13.		
✓ 6. <i>Aster umbellatus</i> 15	H	FACW	14.		
✓ 7. <i>Clematis virginiana</i> 20	V	FAC	15.		
8. <i>Oxycoccus sensibilis</i> 5	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>11</u> Depth to Saturated Soil (in.): <u>0</u>	

Remarks: Saturated at surface. Ponded water elsewhere in wetland

**SOILS**

ID: AR 115 N/B/c SS (

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1	—	—	silt, high organic
12+	B	10YR 4/1	—	—	silt loam, high organic

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

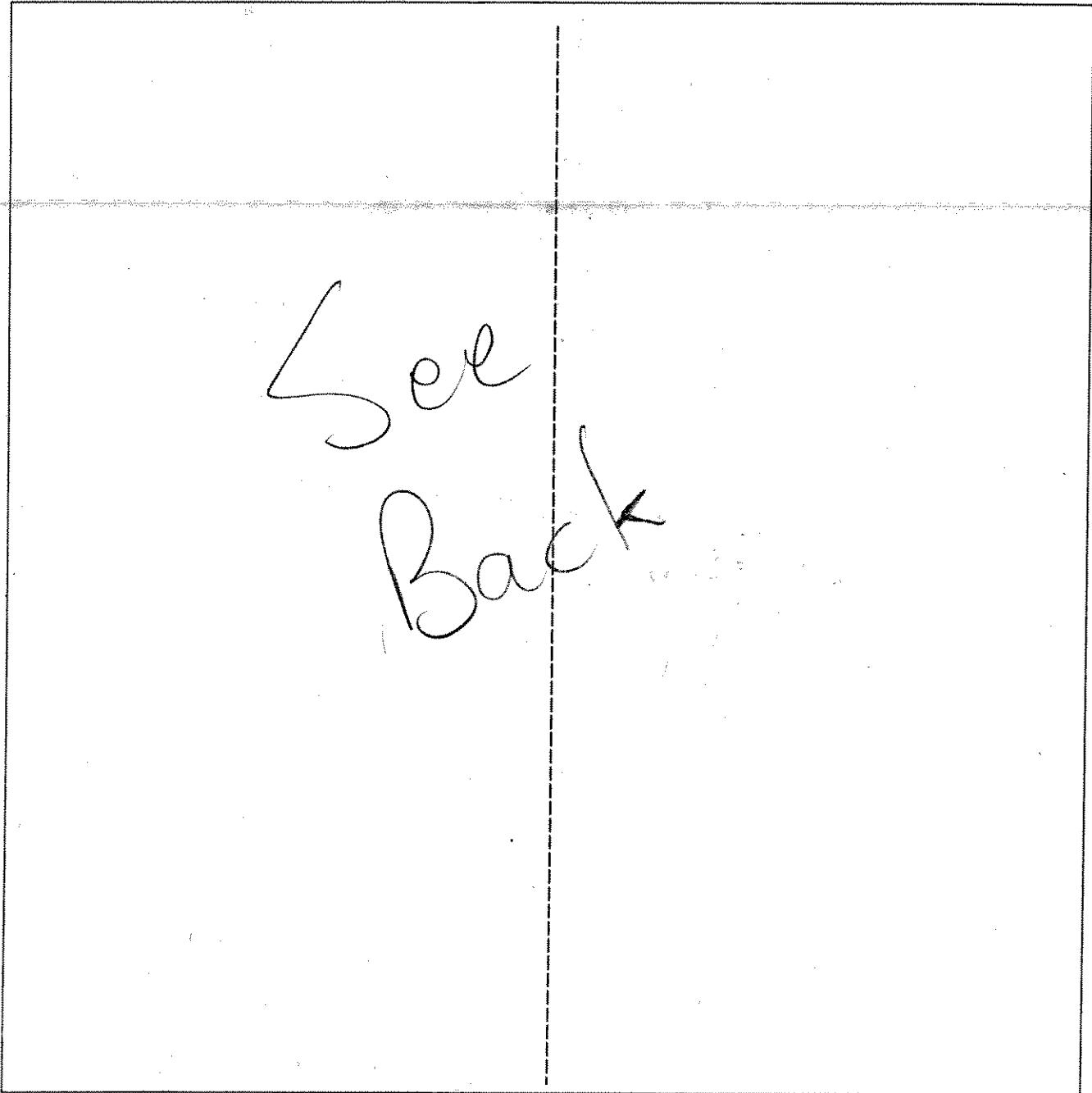
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
			Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No

Remarks: Extensive PSS dominated by Alnus.

SKETCH FORM

Wetland ID/Route #: AR115A/B/C/D with AR115ABCD-S	AR116A-ST	Date: 10-10-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm		
Roll #:	Frames:		

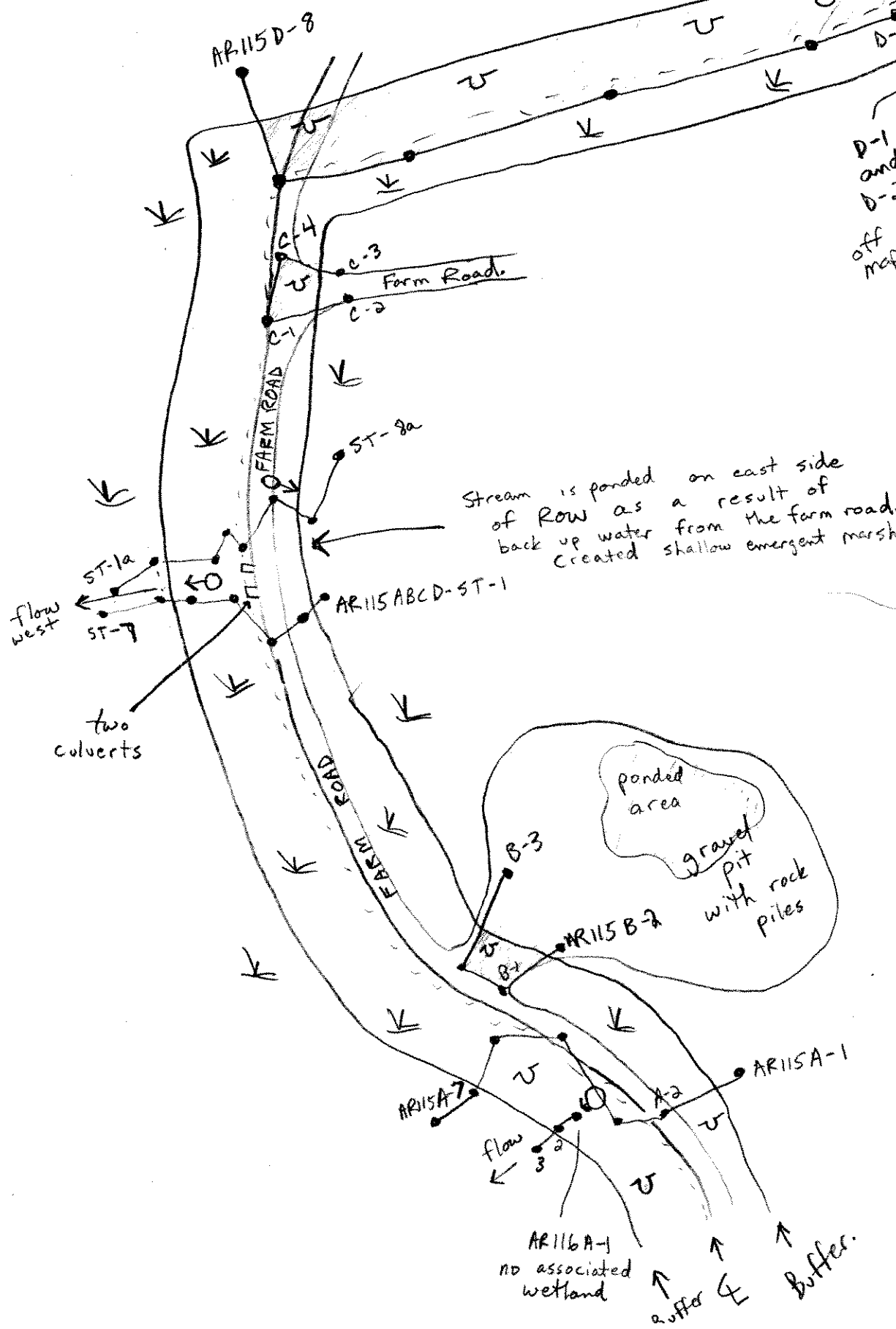


<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



AR115 A/B/C/D w/ embedded Stream 10-10-05  
and  
AR116 A-ST

↑  
N



Stream is ponded on east side of ROW as a result of back up water from the farm road. Created shallow emergent marsh

Flow west

two culverts

ponded area  
gravel pit with rock piles

AR116A-1  
no associated wetland

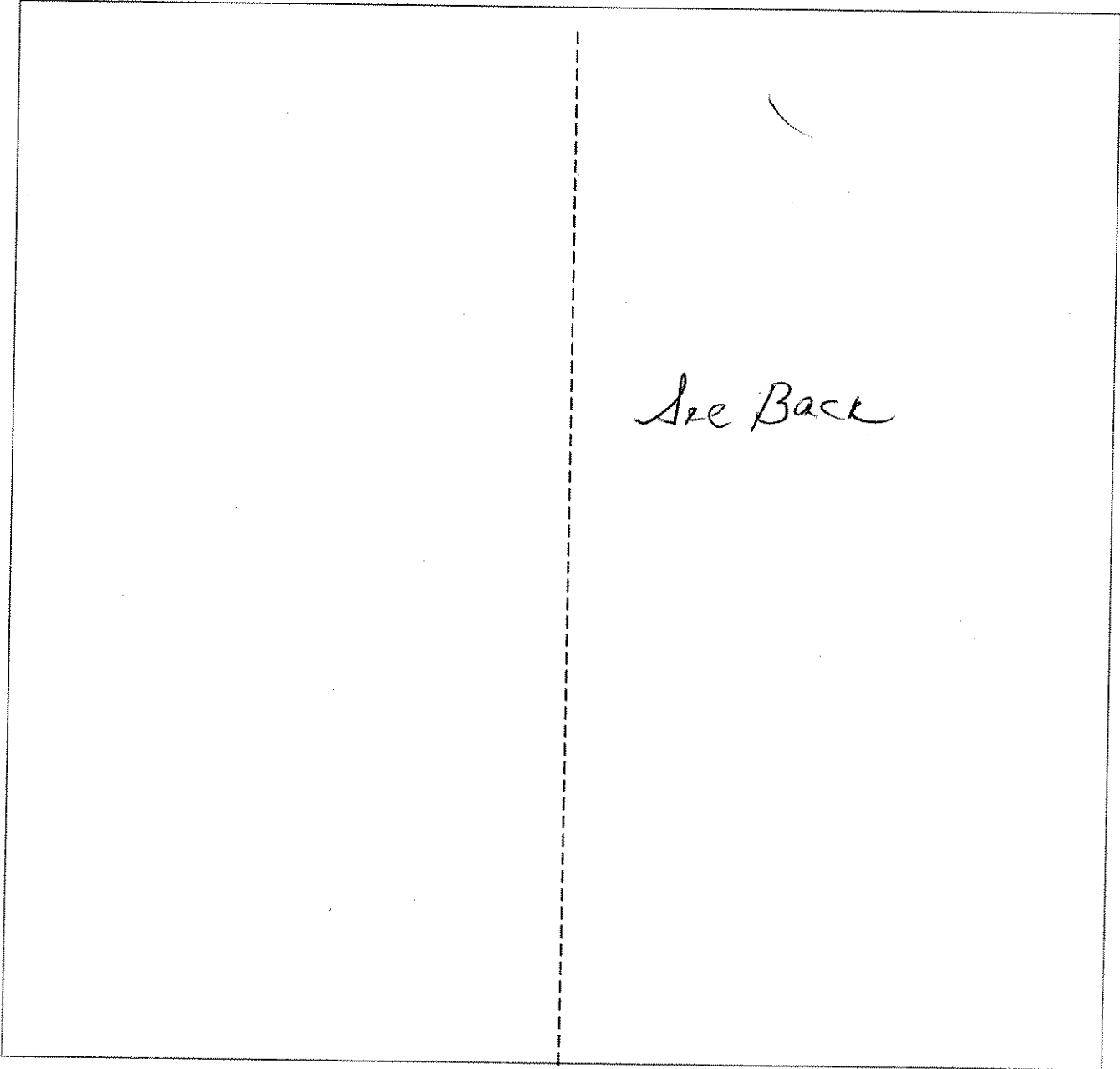
↑  
↑  
↑  
Buffer.

D-1 and D-2  
off map

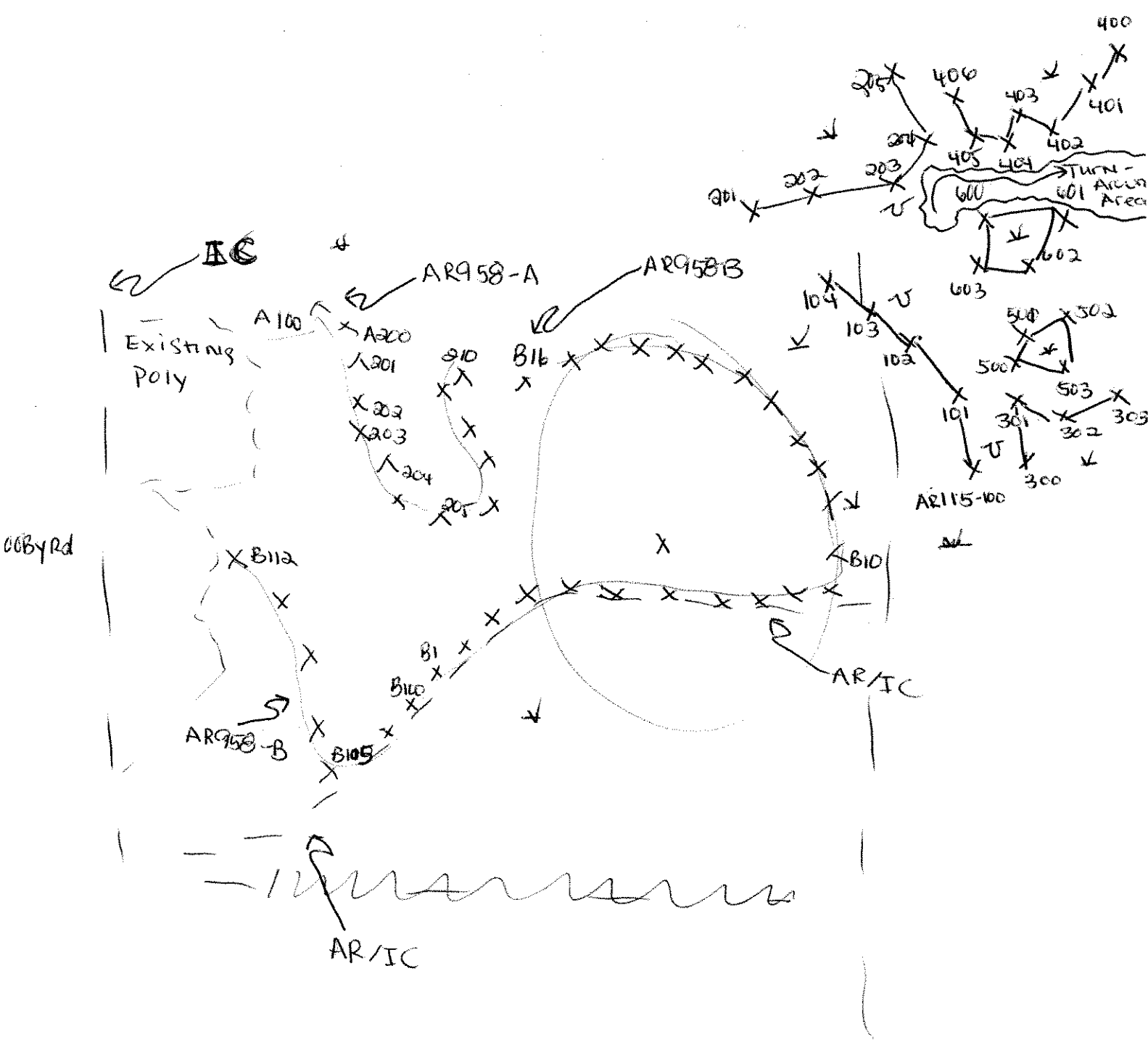
SKETCH FORM

AR115-A/B/C

Wetland ID/Route #: AR 958-R-A/BTR		Date: 10/26/06	Time:
Initials of Delineators: RD JV		Location: T. 84A	
Roll #:	Frames:		



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Perennial Stream
	Intermittent Stream



- AR115 A/B/C
- 100 Series open to W
  - 200 Series open to W
  - 300 Series open to E
  - 400 Series open to N
  - 500 Series close
  - 600 Series close

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO4</u> Transect ID: Plot ID: <u>AR115 ABC SSI</u>

**VEGETATION**

Plant Community Classification: <u>Cedar Swamp / pasture</u>					
Percent Canopy Cover: Tree: <u>95</u> Shrub: <u>30</u> Herb: <u>85</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Cedar</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Alnus rugosa</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Alnus americana</u>	<u>T</u>	<u>FACW-</u>	11.		
4. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU-</u>	12.		
5. <u>Alnus rugosa</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>Aster sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Moss sp</u>	<u>H</u>	<u>-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Can not id species because too early in season</u> <u>Scirpus observed ~25% outside sample station</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>&lt;1" in depressions</u> Depth to Free Standing Water in Pit (in.): <u>18"</u> Depth to Saturated Soil (in.): <u>6"</u>	
Remarks: <u>Adjacent UPL areas to N and S slope into wetland and discharge groundwater and surface runoff.</u>	

Date: 5/7/07  
 Community ID: P404  
 Plot ID:  
 AR115 ABC SSL

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	A	10YR 2/1			slty clay
15-20	B	2.5Y 5/4	2.5Y 4/3	distinct/few/med	ArH loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

DEC WL  
 area is used as cow pasture

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/7/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR 115 ABC 882</u>

EXTENSION

**VEGETATION**

Plant Community Classification: <u>Ag Field</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Burdock</u>	<u>H</u>	<u>UPL</u>	9.		
2. <u>White Clover</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Ranunculus</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Dandelion</u>	<u>H</u>	<u>UPL</u>	12.		
5. <u>White Clover</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Cirsium sp.</u>	<u>H</u>	<u>-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&lt;50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/7/07  
 Community ID: UPL  
 Plot ID: AR115 ABC S52

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	A	7.5YR 3/2	10YR 5/0	distinct/few/fine	light loam

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input checked="" type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

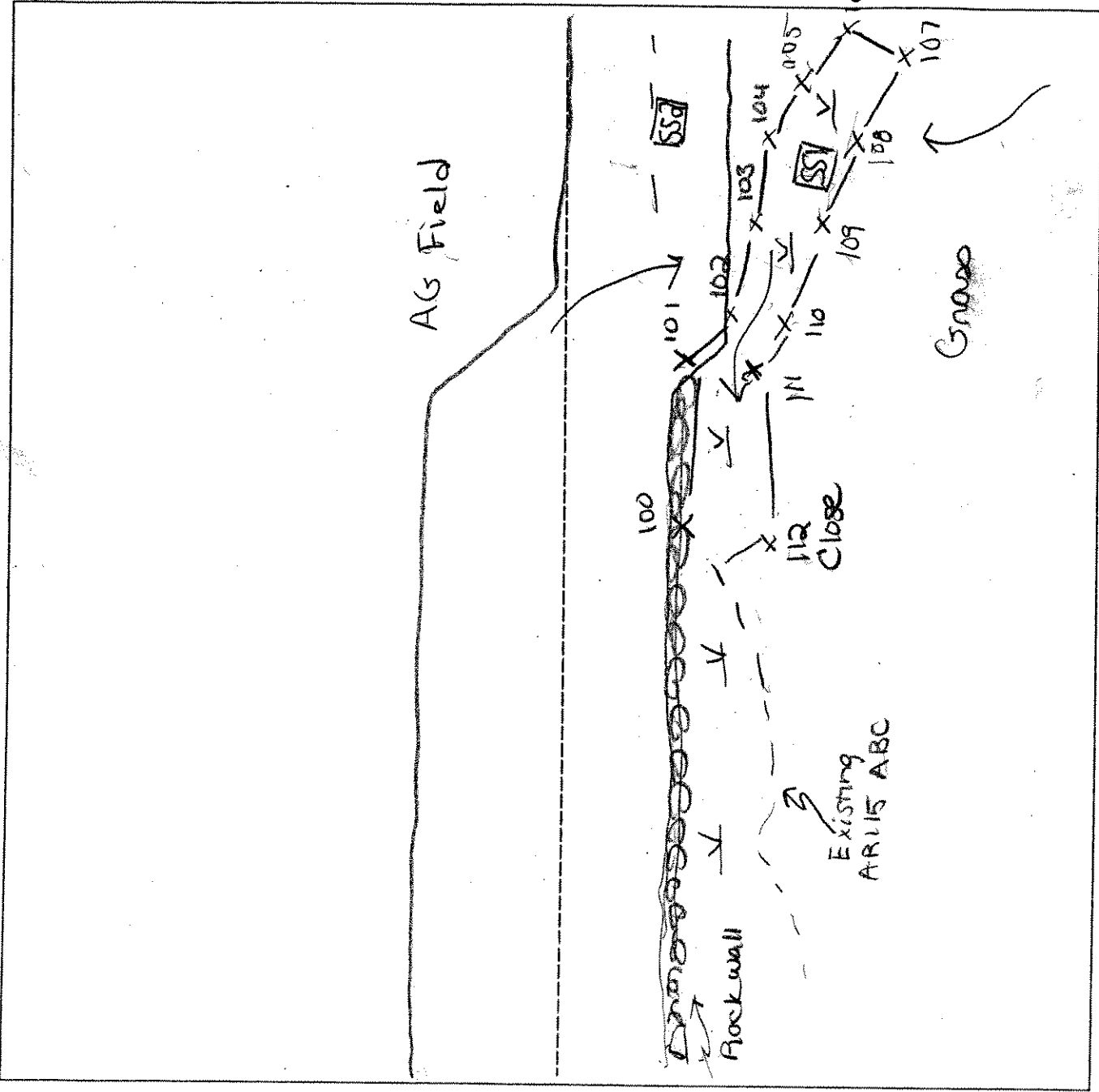
Remarks: Mottling observed below 12"  
 earthworm observed at 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AR115 ABC EXTENSION</b>	Date: <b>5/7/07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location: <b>E of T. 8AA</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



36AIT

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: Investigator: <u>J. Arnett, J. Farrell, S. Ryan</u>	Date: <u>11 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR 117 A SC-1</u>

**VEGETATION**

(PSS) PEN

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>90</u> Herb: <u>100</u> Vine: <u>10</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <u>Alnus rugosa</u> 40	<u>S</u>	<u>FACW</u>	9.		
✓ 2. <u>Aster umbellatus</u> 5	<u>H</u>	<u>FACW</u>	10.		
✓ 3. <u>Solidago rugosa</u> 5	<u>H</u>	<u>FAC</u>	11.		
✓ 4. <u>Osmunda sensibilis</u> 20	<u>N</u>	<u>FACW</u>	12.		
→ ✓ 5. <u>Carex</u> 70	<u>H</u>	<u>FAC+</u>	13.		
✓ 6. <u>Osmunda cinnamomea</u> 20	<u>H</u>	<u>FACW</u>	14.		
✓ 7. <u>Clematis virginiana</u> 10	<u>V</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Saturated at the surface</u>	

ID: AR117 A 551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR2/1			silt, organic muck

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input checked="" type="checkbox"/> High Organic Content, <del>Surface Layer in Sandy Soils</del>
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Sopping wet dark mud over rock - unable to get deeper than 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u>	Date: <u>11 Oct 2005</u>
Applicant/Owner: <u>Hueron</u>	County: <u>Clinton</u>
Investigator: <u>J. Aronch, J. Farrell, S. Ryan</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Transect ID: Plot ID: <u>AR117A SS 2</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Upland

Plant Community Classification:

Percent Canopy Cover: Tree: 40 Shrub: 90 Herb: 25 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <u>Ulmus americana</u> 40	<u>T</u>	<u>FACW-</u>	9.		
✓ 2. <u>Rubus allegheniensis</u> 20	<u>S</u>	<u>FACW-</u>	10.		
✓ 3. <u>Corylus cornuta</u> 70	<u>S</u>	<u>FACW-</u>	11.		
✓ 4. <u>Dryopteris intermedia</u> 15	<u>H</u>	<u>FACW</u>	12.		
✓ 5. <u>Corylus cornuta</u> 10	<u>H</u>	<u>FACW-</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 20%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>28</u> Depth to Saturated Soil (in.): <u>&gt; 8</u>	
Remarks: <u>No indicators of hydrology</u>	

ID: AR117 A 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1	—	—	silt loam
4-8	B	2.5Y 5/2	—	—	sandy silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: unable to probe deeper than 8" - void

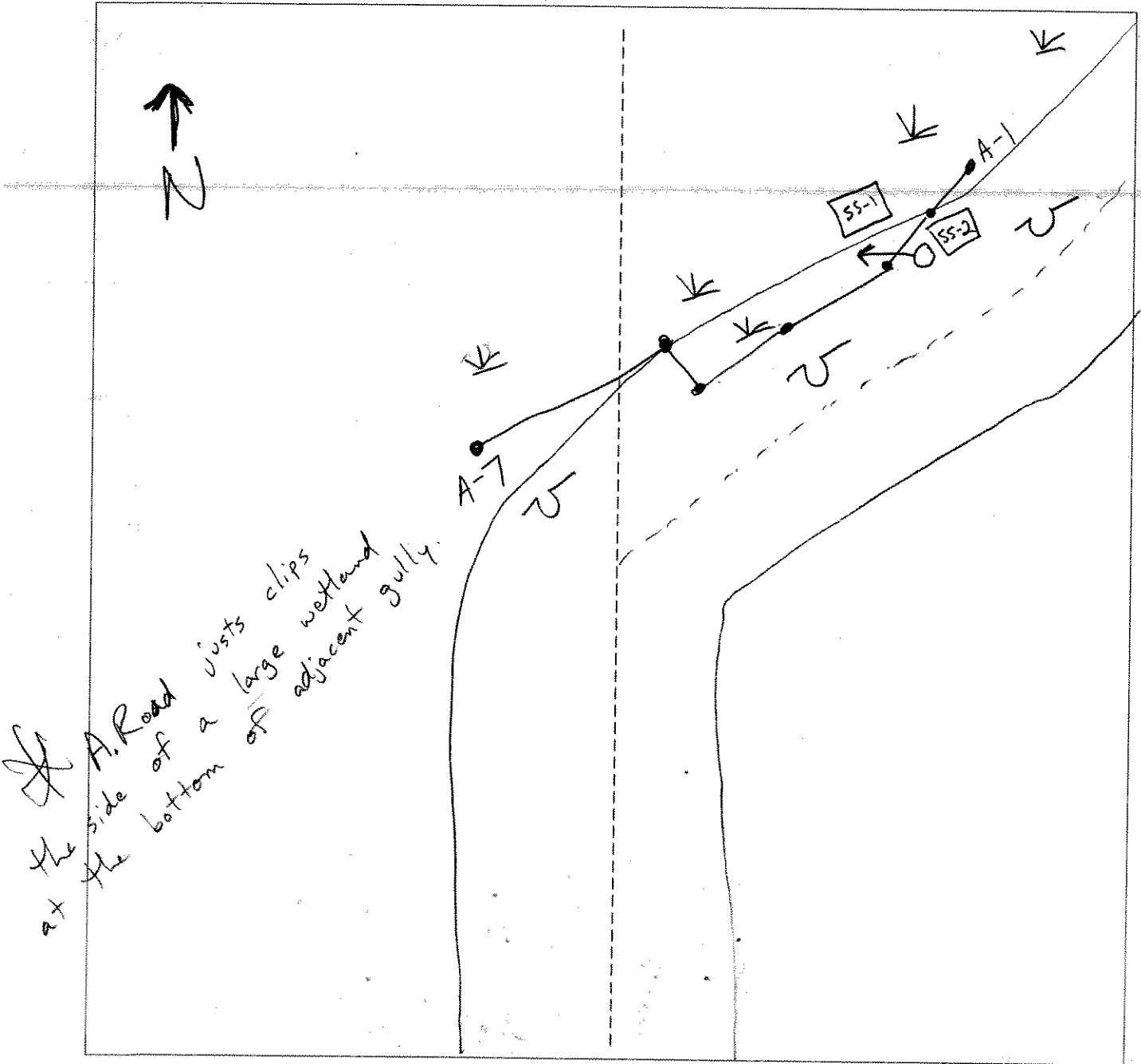
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)	
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No			
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No			
					Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
					Is this an Isolated Wetland? Yes No

Remarks: steep slope facing down to PSS wetland

SKETCH FORM

Wetland ID/Route #: AR117A	Date: 10-11-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



*A-Road just clips the side of a large wetland at the bottom of adjacent gully.*

Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/8/07</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>PEM</u> Transect ID: Plot ID: <u>AR118 A-551</u>							

**VEGETATION**

Plant Community Classification: <u>Emergent</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>85</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Cattails</u>	<u>H</u>	<u>OBL</u>	9.		
2. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Mature Salix sp. growing on wetland edge.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>&lt; 1"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Wetland receives runoff / groundwater from Whalen Rd and adjacent UPL areas</u>	

Date: 5/8/07  
 Community ID: PEM  
 Plot ID: AR118-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/2	5Y 4/3	point/few/fine	lt loam
10-13	B	5Y 3/1			Clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks photo 1 = S			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>W AP</u>	Date: <u>5/8/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR 110 A 552</u>

**VEGETATION**

EXTENSION

Plant Community Classification: <u>un-maintained grass</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>25</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Spartina latifolia</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>Salix cruce</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Crataegus sp</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Taraxacum officinale</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Burdock</u>	<u>H</u>	<u>UPL</u>	13.		
6. <u>Ranunculus</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Hebane</u>	<u>H</u>		15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):  ___ Stream, Lake, or Tide Gauge  ___ Aerial Photographs  ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:  Primary Indicators:  ___ Inundated  ___ Saturated  ___ Water Marks  ___ Drift lines  ___ Sediment Deposits  ___ Drainage Patterns In Wetlands  Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches  ___ Water-Stained Leaves  ___ Local Soil survey Data  ___ FAC-Neutral Test  ___ Other (Explain in Remarks)</p>
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <u>UPL areas are level then slope into WL to east. Water does not collect northern area but drains into WL.</u>	



Date: 5/8/07  
 Community ID: UPL  
 Plot ID: AR118 A SSA

**SOILS**

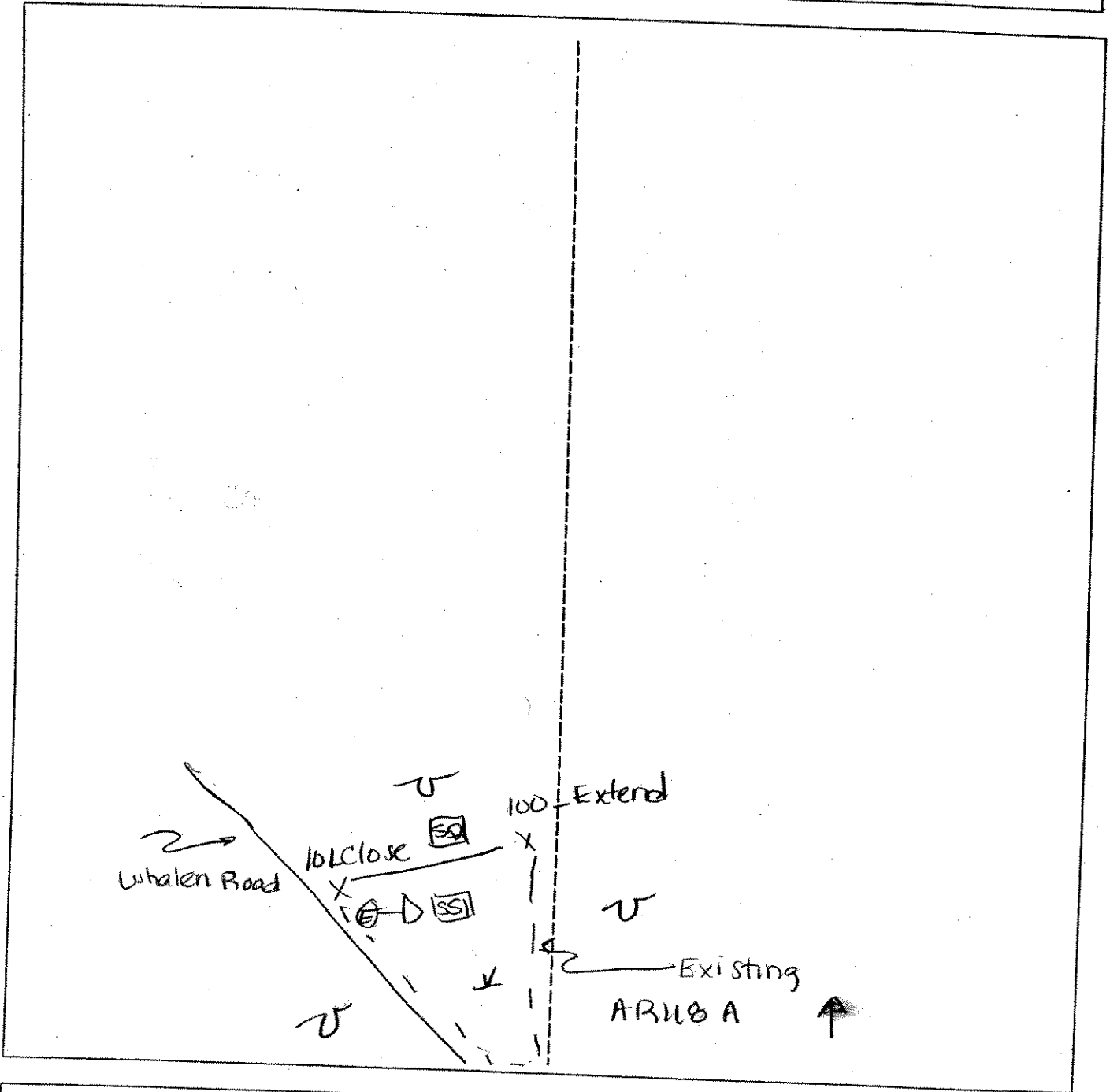
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10a	A	10YR 2/2	10YR 5/6	Distinct, few, fine	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AR118 A EXTENSION</b>		Date: <b>5/8/07</b>	Time:
Initials of Delineators: <b>JV AP</b>		Location: <b>AR to T.36A</b>	
Roll #:	Frames: <b>1 = S</b>		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>J. Arnold, J. Farnell, S. Ryan</u>	Date: <u>11 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR118AB S51</u>

**VEGETATION** PEU

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <u>100</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Dypl. latifolia</u> <u>100</u>	<u>H</u>	<u>OBL</u>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>to 6"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

ID: AR118A/B551

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/1	—	—	organic mrv
12+	B	10YR 5/2	10YR 5/8	Few distinct lvs	Sandy loam

**Hydro Soil Indicators**

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: 100% oblique spec, mottled, <sup>low</sup> presence hydric soil

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No				
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)			(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this an Isolated Wetland?
				<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks:

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: <u>HORNER</u> Investigator: <u>J. Arnett, J. Farrell, St Ryan</u>	Date: <u>11 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>AR118 A/B SS-2</u>

**VEGETATION**

UPLAND Shrub

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>30</u> Herb: <u>75</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <u>Prunus serotina</u> 20	<u>S</u>	<u>FACU</u>	9.		
✓ 2. <u>Rubus idaeus</u> 10	<u>S</u>	<u>FACU</u>	10.		
✓ 3. <u>Rubus odoratus</u> 5	<u>S</u>	<u>FACU</u>	11.		
✓ 4. <u>Solidago rugosa</u> 75	<u>H</u>	<u>FAC</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>No evidence of hydrology</u>	

**SOILS**

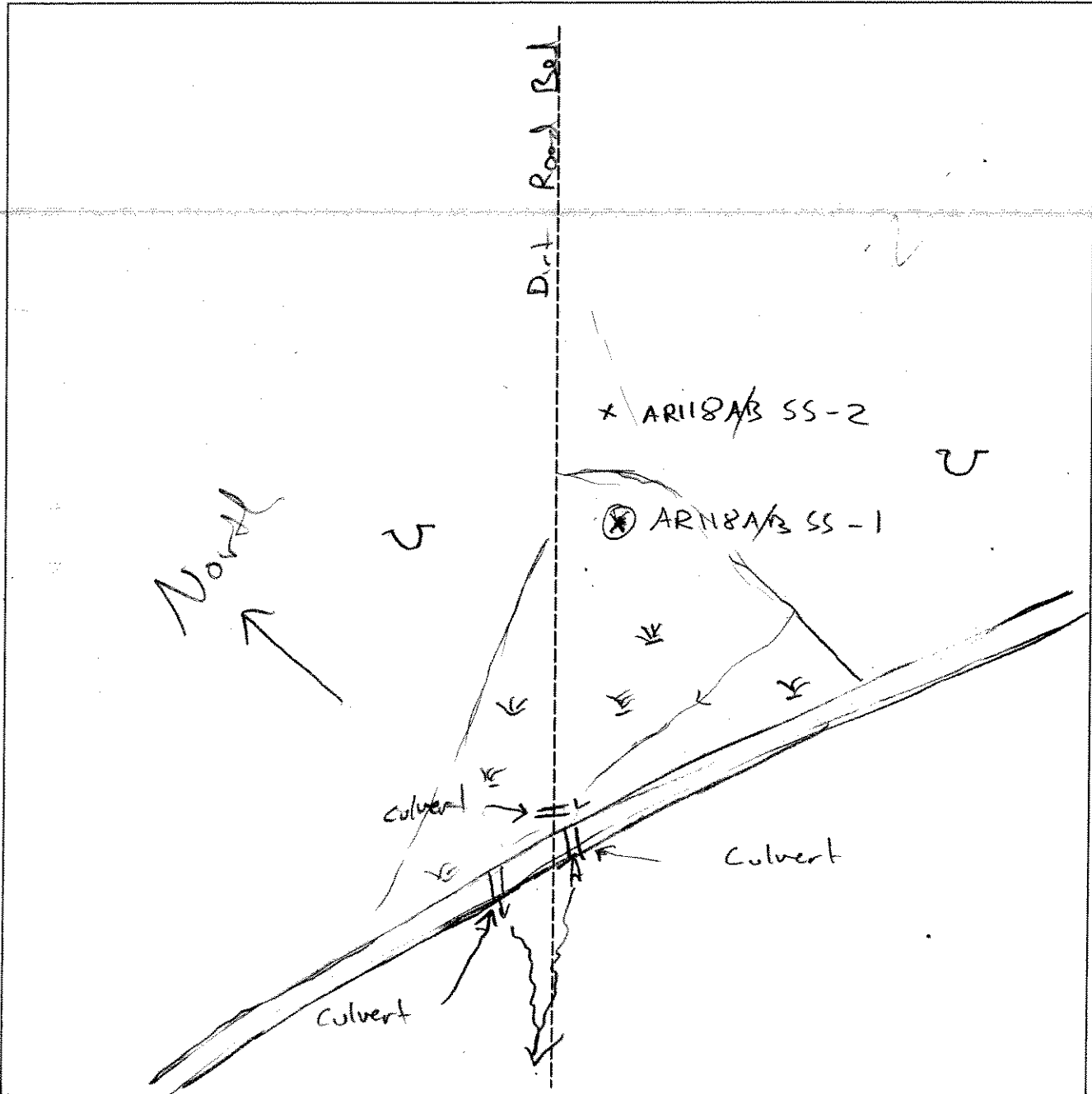
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 3/2	—	—	sandy loam
2-12	D	10YR 3/2	—	—	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes No
				Is this an Isolated Wetland?	Yes No
Remarks					

SKETCH FORM

Wetland ID/Route #: <b>AR118AB</b>	Date: <b>11 Oct 2005</b>	Time: <b>1:00</b>
Initials of Delineators: <b>JA, JF, SR</b>	Location: <b>Clinton County Wind Farm</b>	
Roll #: <b>Photo to NE</b>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR 120Y-WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Windsor</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, AK, JB</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: Plot ID: <i>AR 120Y-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM/PSS</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>50</i> Herb: <i>60</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Garry Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Garry Birch</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Sphagnum</i>	<i>H</i>		13.		
6. <i>Moss sp</i>	<i>H</i>		14.		
7. <i>lady fern</i>	<i>H</i>	<i>FAC</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *photo roll 5 pix # 20 100/35 East*

*- Juncus Effusus in other areas of wetland*

*wetland hydrologically connected to AR 120A, which is extended by AR 120X flag line*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>UP TO 2' IN PLACES</i>  Depth to Free Standing Water in Pit (in.): <i>0"</i>  Depth to Saturated Soil (in.): <i>0"</i>	

Remarks: *STANDING WATER IN MIDDLE WETLANDS*



AR 1001 - WL

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR-2.5/a	NONE	---	Hummocky Peat
4-6	A	10YR-2/1	NONE	---	Sandy Silt
6-8	A <sub>1</sub>	7.5YR 3/1	NONE	---	SANDY CLAY LOAM

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: refusal at 8 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks - PREVIOUSLY LOGGED AREA  
- SOILS LIKELY HAVE BEEN DISTURBED

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

AR-1207-UPL

Project Site: <u>CLAYTON COUNTY Wm. SPAN</u>	Date: <u>10/21/05</u>
Applicant/Owner: <u>HORIZON</u>	County: <u>CLAYTON</u>
Investigator: <u>AK, KH, TG</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>UPLAND</u> Transect ID: <u>ARIZOY</u> Plot ID: <u>552</u>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No	
(If needed, explain on reverse.)	

**VEGETATION** NAD SUCCESSIONAL

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 40% Shrub: 20% Herb: 25% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>GREY BIRCH</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>PAPEL BIRCH</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>AMERICAN BEACH</u>	<u>S</u>	<u>FACU</u>	12.		
5. <u>LOW BUSH BLUEBERRY</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>BRACKEN FERN</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>UKI</u>	<u>H</u>		15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 57%

Remarks: UKI - 4 LEAVE LOW HERB  
recent logging / disturbed soils

roll 5 # pit # 20  
100/155 East

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

ARID01-4PL

**SOILS**

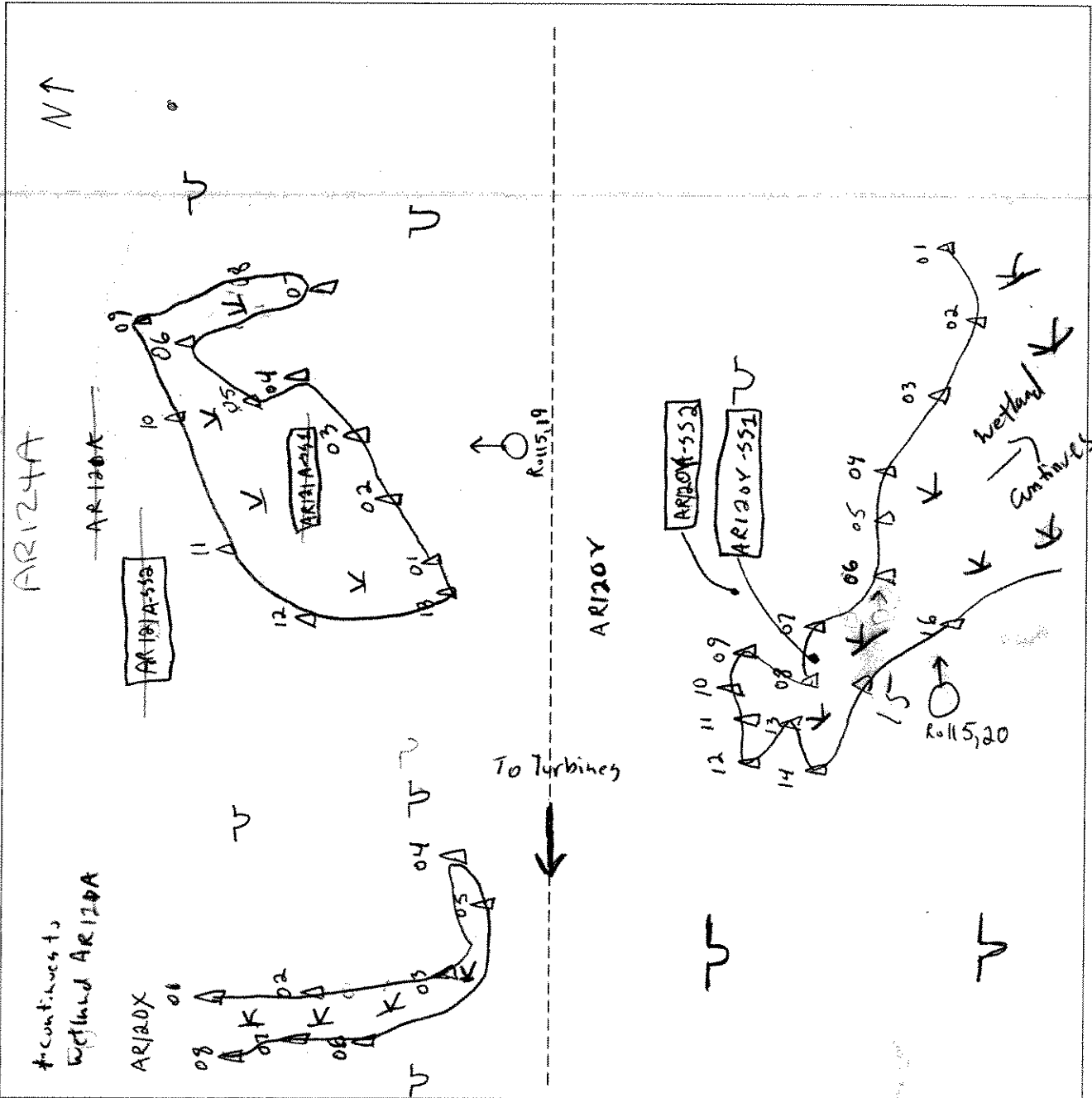
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	0	10YR 2/1	NONE	---	OM w/ STY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <del>Revised</del> @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)
Is this Sample Station Point Within a Wetland?			Yes	<input checked="" type="radio"/> No
Remarks				

SKETCH FORM

Wetland ID/Route #: AR120Y / AR120X / AR121A	Date: 10/21/05	Time: 1030
Initials of Delineators: J.G. K.H. EK	Location: Clinton County	
Roll #: 5	Frames: 20, 19	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co. Winifred</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, AH, JB</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">Yes <input checked="" type="radio"/>es Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/>No No <input checked="" type="radio"/>No</td> </tr> </table>	Yes <input checked="" type="radio"/> es Yes	<input checked="" type="radio"/> No No <input checked="" type="radio"/> No
Yes <input checked="" type="radio"/> es Yes	<input checked="" type="radio"/> No No <input checked="" type="radio"/> No		
Community ID: <i>PEM</i> Transect ID: Plot ID: <i>AR124A-SS1</i>			

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>20</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Beaked willow</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>steep Bush</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>long leaf Golden Rod</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Moss sp.</i>	<i>H</i>		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Atypical wetland pit # 10115-19 looks N at SS1/SS2</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>2</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

AR121A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			Organic Material
1-6	A	10YR-5/4	10YR-3/1	Few/Coarse/faint	Sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - soils highly disturbed due to excavation of area - looks like retention pond created by machines					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co. Winnsboro</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KA, JB, AH</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR124A 552</i>

**VEGETATION**

Plant Community Classification: <i>upland successional</i>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Maple Rubrum</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Green Birch</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>American Beech</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>High Bush Blueberry</i>	<i>S</i>		13.		
6. <i>Moss Sp</i>	<i>H</i>		14.		
7. <i>Low Bush blueberry</i>	<i>H</i>	<i>FACU-</i>	15.		
8. <i>Whorled Aster</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Previously logged area, successional forests disturbed soils</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i> Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks: <i>same</i>	

AR121A-VPL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1			Silty organic material
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of Auger @ 6 inches					

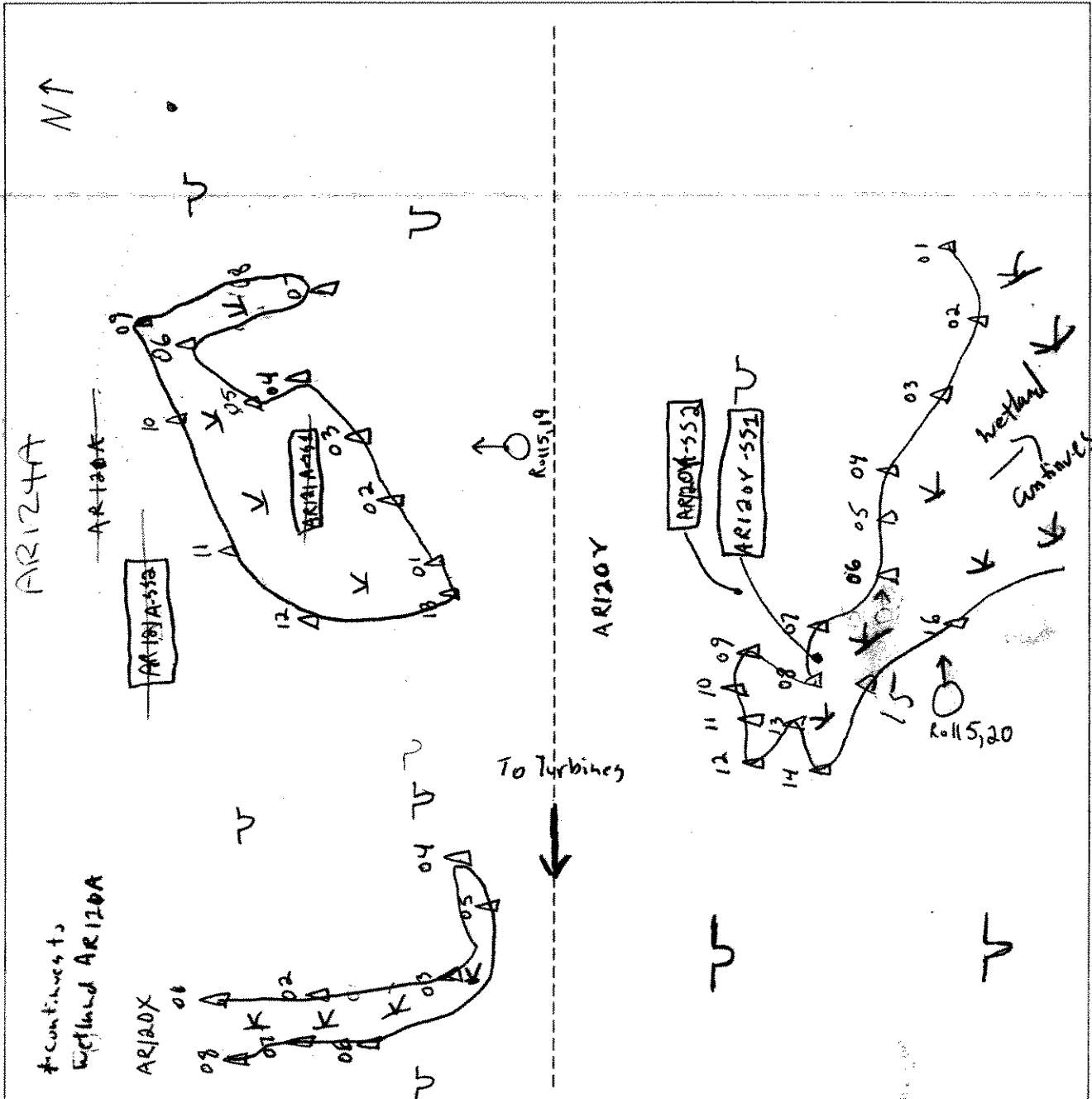
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No (Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No (Circle)	
Hydric Soils Present?	Yes	No (Circle)	Is this Sample Station Point Within a Wetland? Yes No (Circle)
Remarks			



SKETCH FORM

Wetland ID/Route #: AR120Y / AR120X / AR121A	Date: 10/21/05	Time: 1030
Initials of Delineators: J.G. K.H. EK	Location: Clinton County	
Roll #: 5	Frames: 20, 19	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Winisram</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>KH, ST, AH</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: Transect ID: Plot ID <i>ARIZSA' - 551</i>			

**VEGETATION**

Plant Community Classification: <i>PFM LPSS</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>10</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Red Ashburn</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Meadow Sweet</i>	<i>H</i>	<i>FAC+</i>	11.		
4. <i>Hairy Golden Rod</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Sphagnum</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Juncus Effusus</i>	<i>H</i>	<i>FACwt</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>- Open water w/ little vegetation present in the water</i> <i>- soil 5. PIX #17 looks South</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>4-5</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

AR122A-WL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
(Inches)					
0-2	O	7.5YR-2.5B			clay w/ organic material
2-5	A	10YR-2/2	7.5YR-3/4	Few/coarse/faint	clay 10cm
5-6	A <sub>1</sub>	10YR-2/1			silty sand

Hydro Soil Indicators

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input checked="" type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks: - refusal of Auger at 6 in  
 - disturbed soils - wetland in man made ditch

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No	Is this Sample Station Point Within a Wetland?	Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co. Wmirstown</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>VH, AH, JG</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR125A-SS2</i>

**VEGETATION**

Plant Community Classification: <i>Upland successional</i>					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>25</i> Herb: <i>15</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Acer Rubrum</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>Big Tooth Aspen</i>	<i>T</i>	<i>FACU-</i>	11.		
4. <i>Low Bush hawthorn</i>	<i>H</i>	<i>FACU-</i>	12.		
5. <i>Bracken fern</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>40%</i>					
Remarks: <i>pix # 18, roll 5 looks w</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 6 in</i> Depth to Saturated Soil (in.): <i>&gt; 6 in</i>	
Remarks:	

AR-122A-4PL

**SOILS**

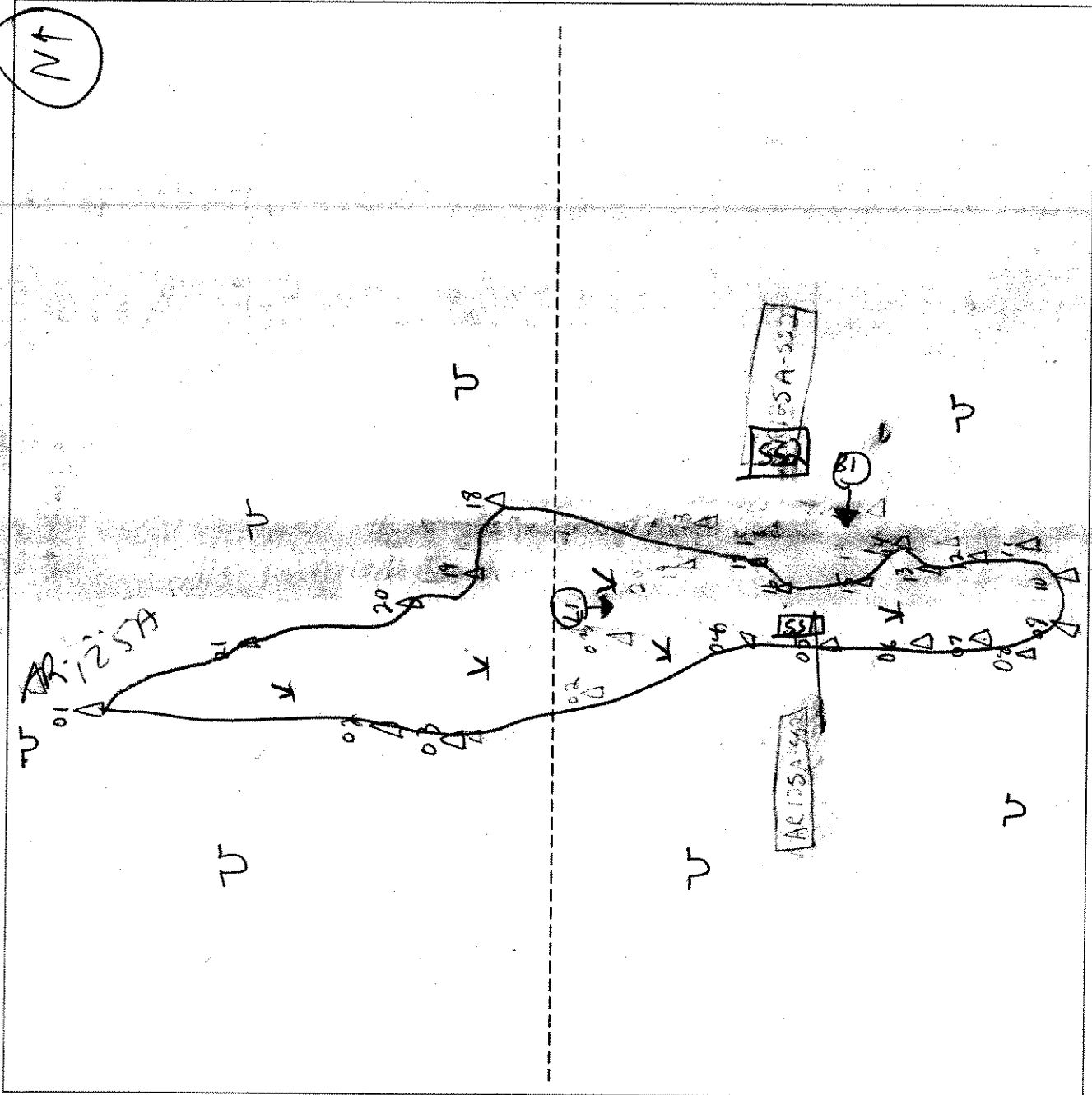
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			Organic material
1-3	A	10YR-5/2			Sandy silt
3-6	A <sub>1</sub>	10YR-5/2	7.5YR-5/8	Many/coarse/distinct	Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - refusal of Auger at 6 inches - disturbed soils due to logging					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AR125A</b>	Date: <b>10/21/05</b>	Time: <b>1130</b>
Initials of Delineators: <b>K.H., J.G., A.K.</b>	Location: <b>Clinton County</b>	
Roll #: <b>5</b>	Frames: <b>18, 17</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> <i>Winnarum</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>DAD, AK</i>	Date: <i>10/17/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <i>Yes</i> Is the site significantly disturbed (Atypical Situation)? <i>Yes</i> Is the area a potential Problem Area? <i>Yes</i> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>AR200A</i> Plot ID: <i>SSI</i>

**VEGETATION**

*PEN*

*RATTLE SNAKE*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>55%</i>	Herb: <i>40%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	<i>H</i>	<i>FACW+</i>	9.		
2. <i>CANADA RUSH</i>	<i>H</i>	<i>OBL</i>	10.		
3. <i>WOOD GRASS</i>	<i>H</i>	<i>FACW+</i>	11.		
4. <i>MANNING GRASS</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Carex lasiocarpa</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Speckled Alder</i>	<i>S</i>	<i>FACW+</i>	14.		
7. <i>Strawberry Bush</i>	<i>S/H</i>	<i>FACW</i>	15.		
8. <i>Large-leaved Golden Rod</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>6" in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/2	—	—	CLAY LOAM
4-5	B	10YR 5/2	—	—	SILT LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <del>RETURN OF AUGER @ 5"</del>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Remarks			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Clinton County Wisconsin</i> Applicant/Owner: <i>HURON</i> Investigator: <i>BTD, AIC</i>	Date: <i>10/17/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPLand</i> Transect ID: <i>AR200A</i> Plot ID: <i>552</i>

**VEGETATION**

*MtD Successional*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>30%</i> Herb: <i>95%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BRAMBLES</i>	<i>S</i>	<i>unknown</i>	9.		
2. <i>FIELD SORREL</i>	<i>H</i>	<i>UPL</i>	10.		
3. <i>GRAY BIRCH</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>ARROW WING</i>	<i>H</i>	<i>FAEW</i>	12.		
5. <i>SWAMP MAPLE</i>	<i>S</i>	<i>FACU-</i>	13.		
6. <i>R.S. Golden ROD</i>	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10 YR 2/1	-	-	Sandy loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

REVERSAL of Anger. @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

**Remarks**

Linton Co Wind Farm

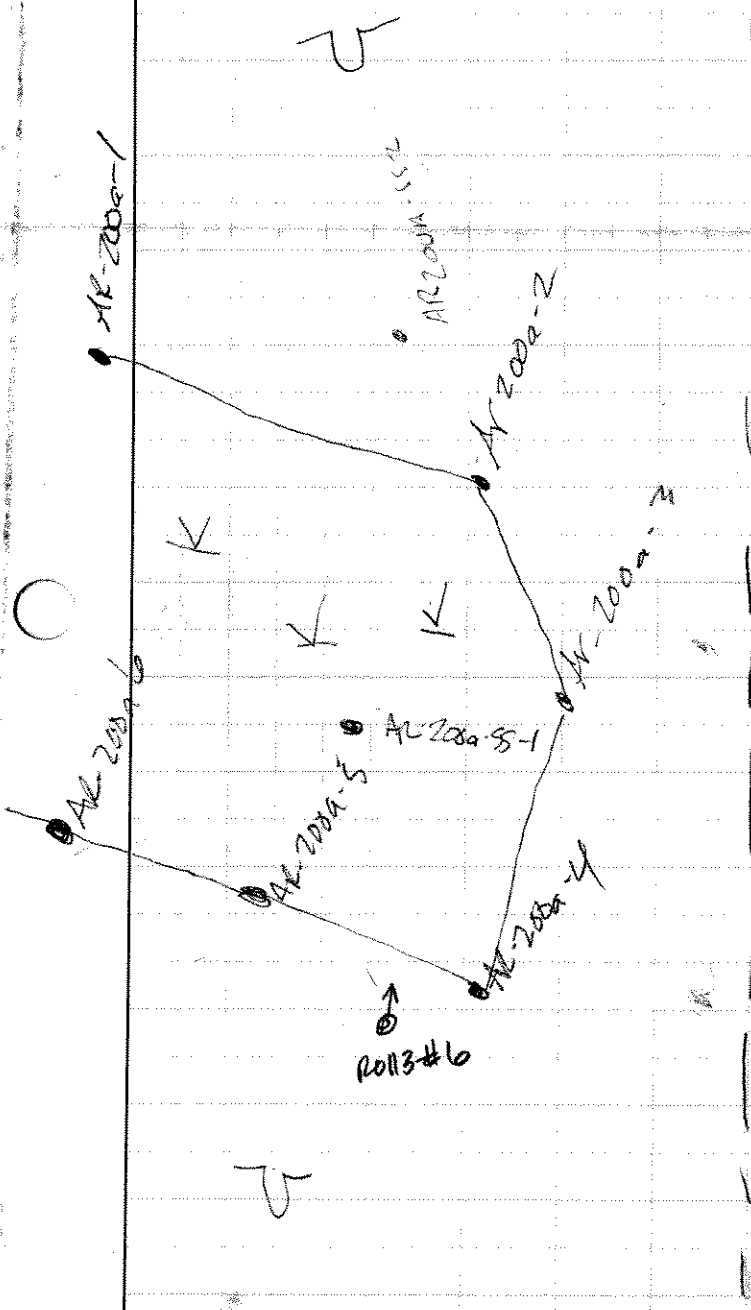


TETRA TECH

SUBJECT AR200A  
10-17-05  
ORIGINATOR J CHECKED \_\_\_\_\_

PROJECT Heron @ Linton Co  
TC/P NO. \_\_\_\_\_  
DATE 10/17/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

AR-200a - N of Soucia Rd



= wetland  
 = upland  
 = GPS POINT  
 = center line

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LOW QUALITY

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: AR200A Plot ID: 553

**VEGETATION**

Plant Community Classification: PEM DISTURBED SKIDDER TRAIL					
Percent Canopy Cover: Tree: $\phi$ Shrub: 5 Herb: 60 Vine: $\phi$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. CANADA RUSH (J. CANADENSIS)	H	OBL	9.		
2. SPIRE RUSH	H	FACW	10.		
3. GRASS SP	H		11.		
4. JUNCUS EFFUSUS	H	FACW+	12.		
5. CAREX SP.	H		13.		
6. SPECKLED ALDER	S	FACW+	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/8 = 67%					
Remarks: DISTURBED / TIRE RUTS - SKIDDER TRAIL					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 2" IN PLACES  Depth to Free Standing Water in Pit (in.): 0  Depth to Saturated Soil (in.): 0	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RID SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AR200A Plot ID: 554

**VEGETATION**

Plant Community Classification: <u>Disturbed Early Successional</u>					
Percent Canopy Cover:		Tree:	Shrub: <u>20</u>	Herb: <u>45</u>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. GRASS SP	H		9.		
2. STRAWBERRY	H	UPL	10.		
3. SOW THISTLE	H	UPL	11.		
4. SPIRAEA LATIFOLIA	S	FACW+	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

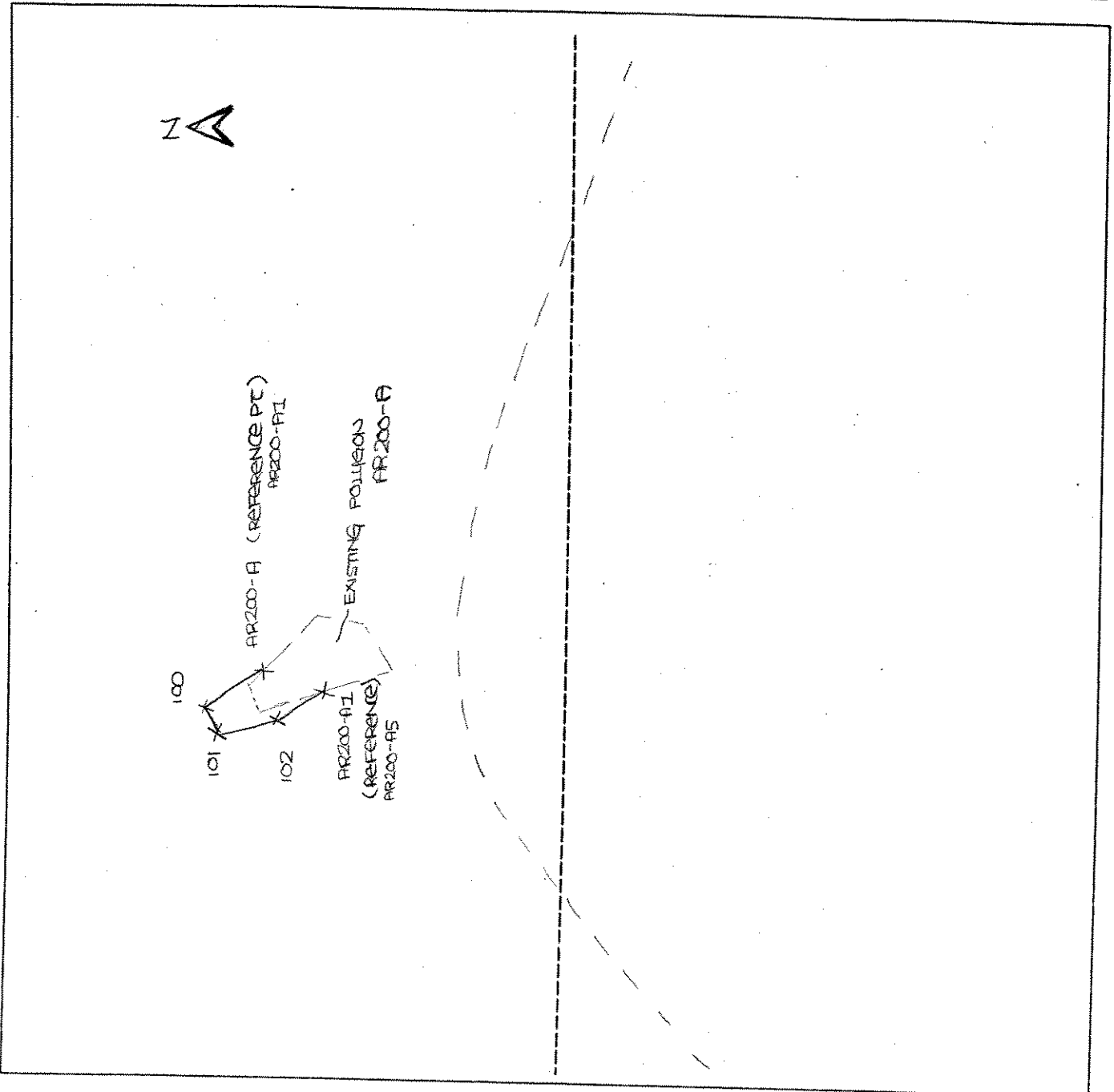
Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2			LOAN
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: REFUSAL OF PUGUR AT 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

# SKETCH FORM

<b>Wetland ID/Route #:</b> AR200-A EXTENSION	<b>Date:</b> 5/25/07	<b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Winifram</i>	Date: <i>10/17/05</i>
Applicant/Owner: <i>HURZEN</i>	County: <i>Clinton</i>
Investigator: <i>RJD - AK</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: <i>WERAI</i> Transect ID: <i>AR206</i> Plot ID: <i>551</i>

**VEGETATION**

Plant Community Classification: *PSS*  
 Percent Canopy Cover: Tree: *0* Shrub: *80%* Herb: *60%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. SPECIFIED AIDER	S	FACWT	9. SPERM MOSS	H	
2. Gray Birch	S	FAC	10. Red maple	S	FAC
3. <del>TRANSVERSE GRASS</del>	H	OBL	11.		
4. RED CANADIAN GRASS	H	FACWT	12.		
5. Juncus Fluvent	H	FACWT	13.		
6. STEEL PINE	S	FACW	14.		
7. CAREX CURIDA	H	OBL	15.		
8. LANCELEAF GR.	H	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>8" in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A <sub>1</sub>	7.5YR 3/2	—	—	CLAY loam w/ sand
5-6	A <sub>2</sub>	10YR 5/2	—	—	CLAY

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Reusal of Area A1 & "

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: Clinton County <del>Ellenburg</del> <i>Winstown</i> Applicant/Owner: Horizon Renewable Energy Investigator: <i>TKD, AK</i>	Date: <i>10/3/05</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLA1</i> Transect ID: <i>AR201</i> Plot ID: <i>552</i>							

**VEGETATION**

*Mid Successional*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>80%</i> Herb: <i>10%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TSIK CHERRY</i>	<i>S</i>	<i>FACU</i>	9.		
2. <i>GRAY RICE</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>MEADOW SWEET</i>	<i>S</i>	<i>FAC+</i>	11.		
4. <i>TRAMBLES</i>	<i>S</i>	<i>Unknown</i>	12.		
5. <i>R.S. Galia Red</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>SUGAR MAPLE</i>	<i>S</i>	<i>FACU-</i>	14.		
7. <i>Club moss</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>WOOD PEAR</i>	<i>H</i>	<i>FAC+</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>N/A</i>  Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	-	-	ORGANIC
3-5	A	10YR 4/1	-	-	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

**Remarks:**  
 Refusal of Auger at 5"  
 MARGINAL Hydric Soil - low chroma  
 smeared due to heavy rains

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

**Remarks**



TETRA TECH

SUBJECT Clinton County Wm. H. Horton

PROJECT \_\_\_\_\_

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

TC/P NO. \_\_\_\_\_

DATE 10/17/05

PAGE 1 OF 1 PAGES

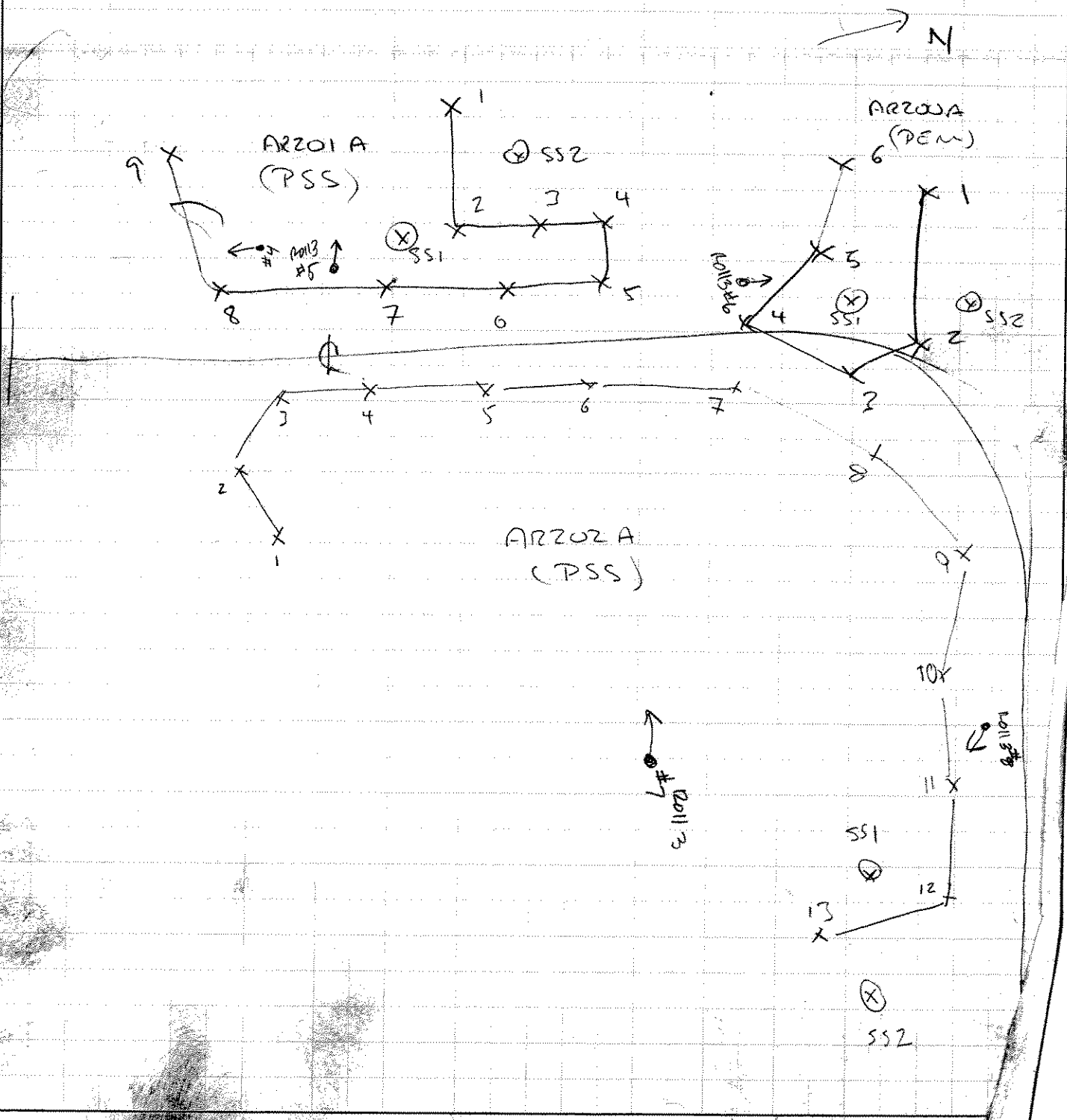
WETLANDS - SKEETCHA      PHOTOS = ROLL #3, FRAMES 4, 5, 6, 7, 8

AR 200 A

AR 201 A

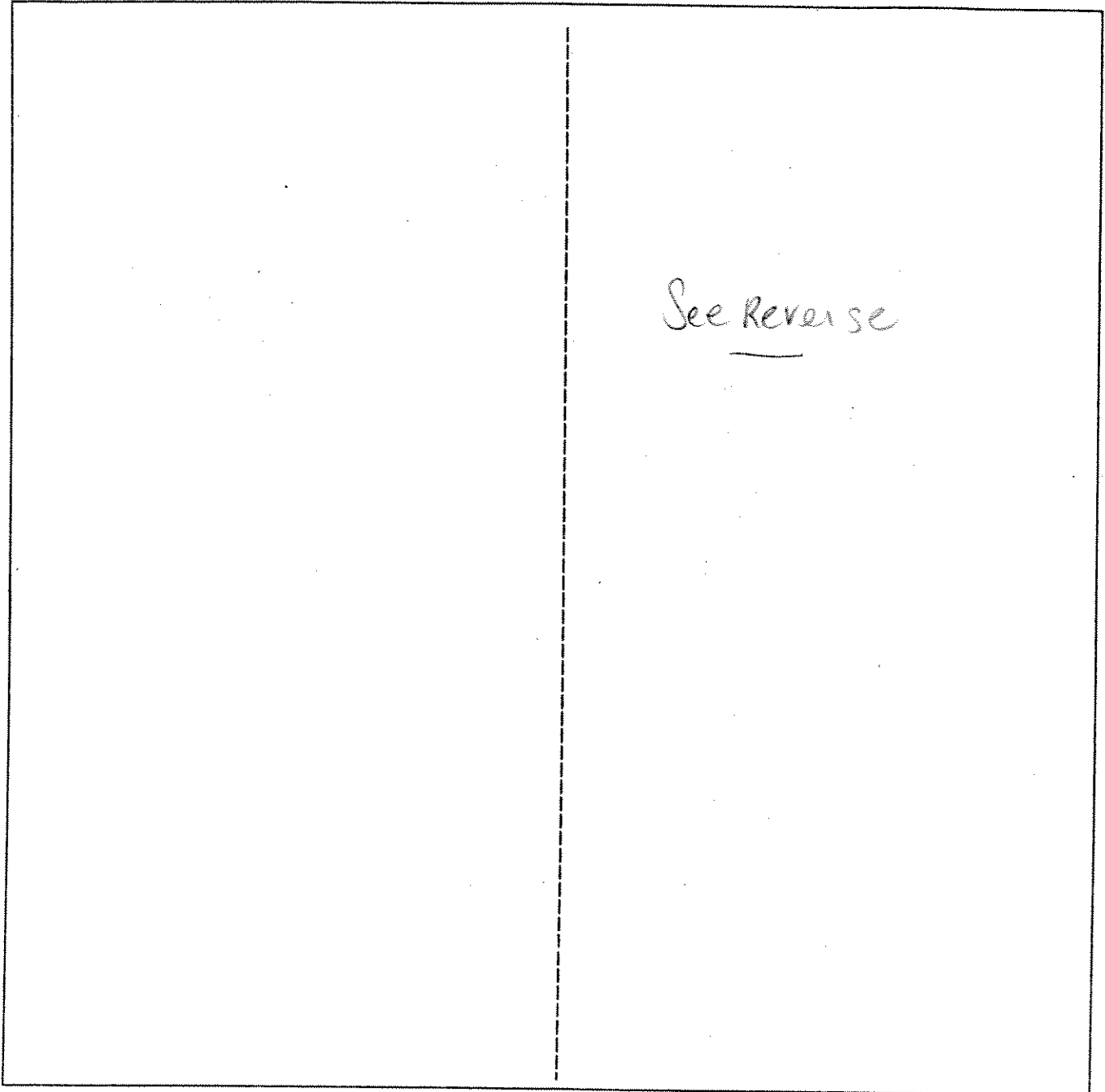
AR 202 A










TERRAIN OF SUEVA RD

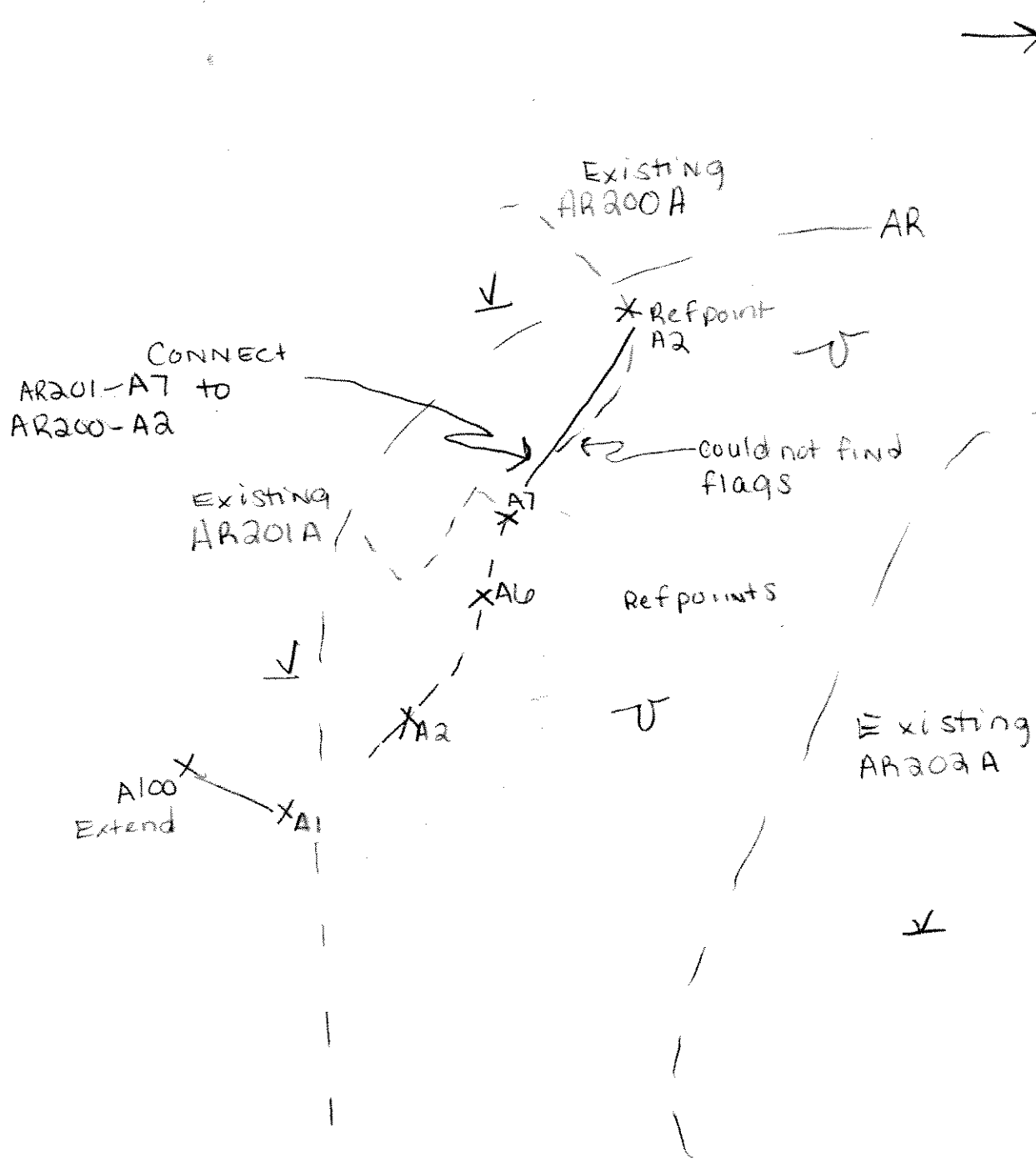


SKETCH FORM

Wetland ID/Route #: AR200 A AR201 A	Date: 9/13/00	Time:
Initials of Delineators: JV DR	Location: Soucia Rd ON dogleg	
Roll #:	Frames:	



<b>Legend</b>		
	Photo Location/Direction	 Wetland
	Sample Station	 Upland
	Centerline	 Stream
	Flag	 Intermittent Stream
		



- Could not find Flag AR200-A1 to use as Ref. point.
- CONNECT AR201 to AR200

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 5/25/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>WRA01</i> Transect ID: <i>TR201A</i> Plot ID: <i>553</i>

**VEGETATION** *PSS / DEW*

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: *25%* Shrub: *85%* Herb: *80%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>SPECKLED Alder</i>	<i>S</i>	<i>FACW+</i>	9. <i>SPike Rush</i>	<i>H</i>	<i>FACW</i>
2. <i>RED maple</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>Narrow leaf</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>GREEN Sycamore</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>CAREX SSD</i>	<i>H</i>		13.		
6. <i>W. SPRAWLED SLO</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>JEWELweed</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>S. thymus</i>	<i>H</i>	<i>FACW+</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *9/10 = 90%*

Remarks: *SPhag in other parts of wetland*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>10" in places.</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>FROGS</i>	



Date: 5/25/07  
 Community ID: WERAND  
 Plot ID: AR201A-SS3

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR5/1	-	-	Silty clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Disturbed soil AT EDGE of Skidder trail  
 Rooted of Aspen at 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	

Remarks: Wetlands bisected by skidder trail

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: <i>5/25/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>AL201A</i> Plot ID: <i>SS4</i>

**VEGETATION** *Conifer forest*

Plant Community Classification: <i>8590</i>					
Percent Canopy Cover:		Tree: <i>8590</i>	Shrub: <i>300</i>	Herb: <i>4090</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BLK SPRUCE</i>	<i>T</i>	<i>FACU-</i>	9. <i>Club moss</i>	<i>H</i>	
2. <i>GLD maple</i>	<i>S/H</i>	<i>FAC</i>	10. <i>Whorled wood Ast</i>	<i>H</i>	<i>UPL</i>
3. <i>Bunchberry</i>	<i>H</i>	<i>FAC-</i>	11. <i>Blackberry</i>	<i>H</i>	<i>FACU</i>
4. <i>CANADA MAYFLOWER</i>	<i>H</i>	<i>FAC-</i>	12.		
5. <i>TREE-LIKE ALBURN</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>GOLDEN THREAD</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>L. J. NUTCH</i>	<i>S</i>	<i>FACU-</i>	15.		
8. <i>PINK TRILLIUM</i>	<i>H</i>	<i>FACU</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/12 = 16%</i>					
Remarks: <i>Beaked pine in base</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 5/25/07  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1	—	—	0
3-15	A	7.5YR 3/3	10YR 5/4	FEW/FINE/ME	Silty clay
15-18	B	10YR 4/3	—	—	Silty clay

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

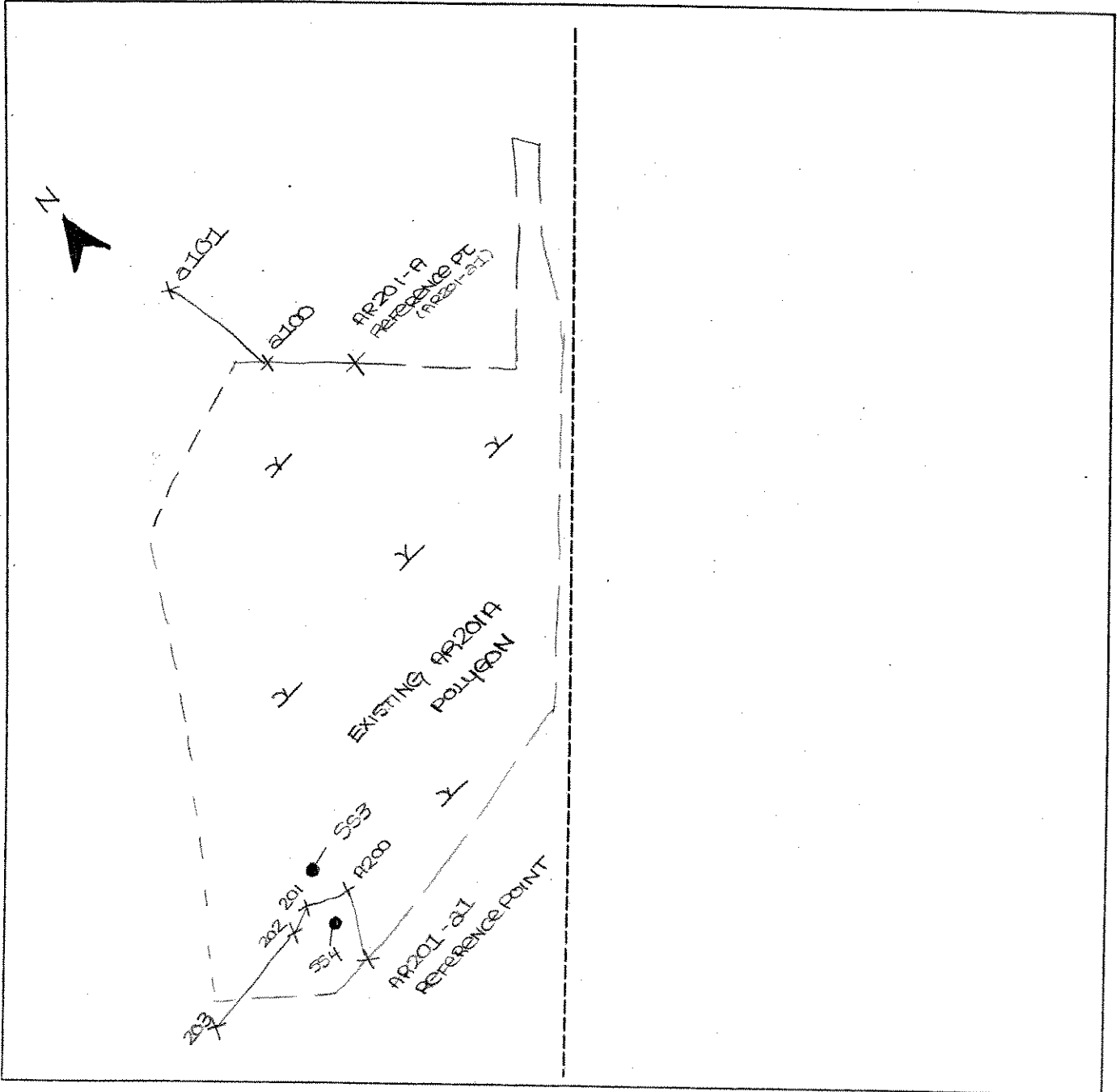
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes  No  *N/A*  
 Wetlands Hydrology Present? Yes  No   
 Hydric Soils Present? Yes  No  Is this Sample Station Point Within a Wetland? Yes  No

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR201A EXTENSION	<b>Date:</b> 5/25/2007	<b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Clinton County Whiston</u>	Date: <u>10/17/05</u>
Applicant/Owner: <u>HORIZON</u>	County: <u>Clinton</u>
Investigator: <u>RJD, AK</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WETLAND</u> Transect ID: <u>AR202A</u> Plot ID: <u>1551</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 0 Shrub: 80% Herb: 70% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Speckled Alder</u>	<u>S</u>	<u>FACW+</u>	9.		
2. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>MEADOW SWEET</u>	<u>S</u>	<u>FAC+</u>	11.		
4. <u>Silky Dogwood</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>FLAT TOPPED BIRCH</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>SPAGNUM</u>	<u>H</u>	<u>-</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands ( <u>slight</u> ) <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>2"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2"	O	10YR 2/1	—	—	ORGANIC CLAY
2-8"	A <sub>1</sub>	10YR 6/2	—	—	CLAY
8-18"	A <sub>2</sub>	10YR 6/2	10YR 6/8	many, coarse, prom	CLAY

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: REFUSAL OF AVEER @ 18"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinch County Winston</i>	Date: <i>10/17/05</i>
Applicant/Owner: <i>Huerfano</i>	County: <i>Clinch</i>
Investigator: <i>DDJ, DK</i>	State: <i>NC</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>UPLAND</i> Transect ID: <i>AR202A</i> Plot ID: <i>552</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *UPLAND FOREST / MID SUCCESSIONAL*

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: *50%* Shrub: *80%* Herb: *20%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED MAPLE</i>	<i>S</i>	<i>FAC</i>	9. <i>RED MAPLE</i>	<i>S/T</i>	<i>FACU</i>
2. <i>SUGAR MAPLE</i>	<i>S/T</i>	<i>FACU</i>	10. <i>RED MAPLE</i>	<i>H</i>	<i>FAC</i>
3. <i>L.B. BLUEBERRY</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>Q ASPEN</i>	<i>T</i>	<i>FACU</i>	12.		
5. <i>GRAY HICK</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>WOODPANEL</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>WATER BUTTE</i>	<i>H</i>	<i>FACU</i>	15.		
8. <i>BIRCH</i>	<i>H/S</i>	<i>-</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated at 5" <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>5"</i>	
Remarks: <i>w/ higher moisture than SSI</i>	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			OR white
2-5	A	10YR 5/2	10YR 5/3	Common, med, dist.	Clan
5-7	B	10YR 5/4			

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:  
*Recessed layer at 7"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		





TETRA TECH

SUBJECT Clinton County (ind)

PROJECT \_\_\_\_\_

Horizon

TC/P NO. \_\_\_\_\_

ORIGINATOR \_\_\_\_\_

CHECKED \_\_\_\_\_

DATE 10/17/05

PAGE \_\_\_\_\_

OF \_\_\_\_\_

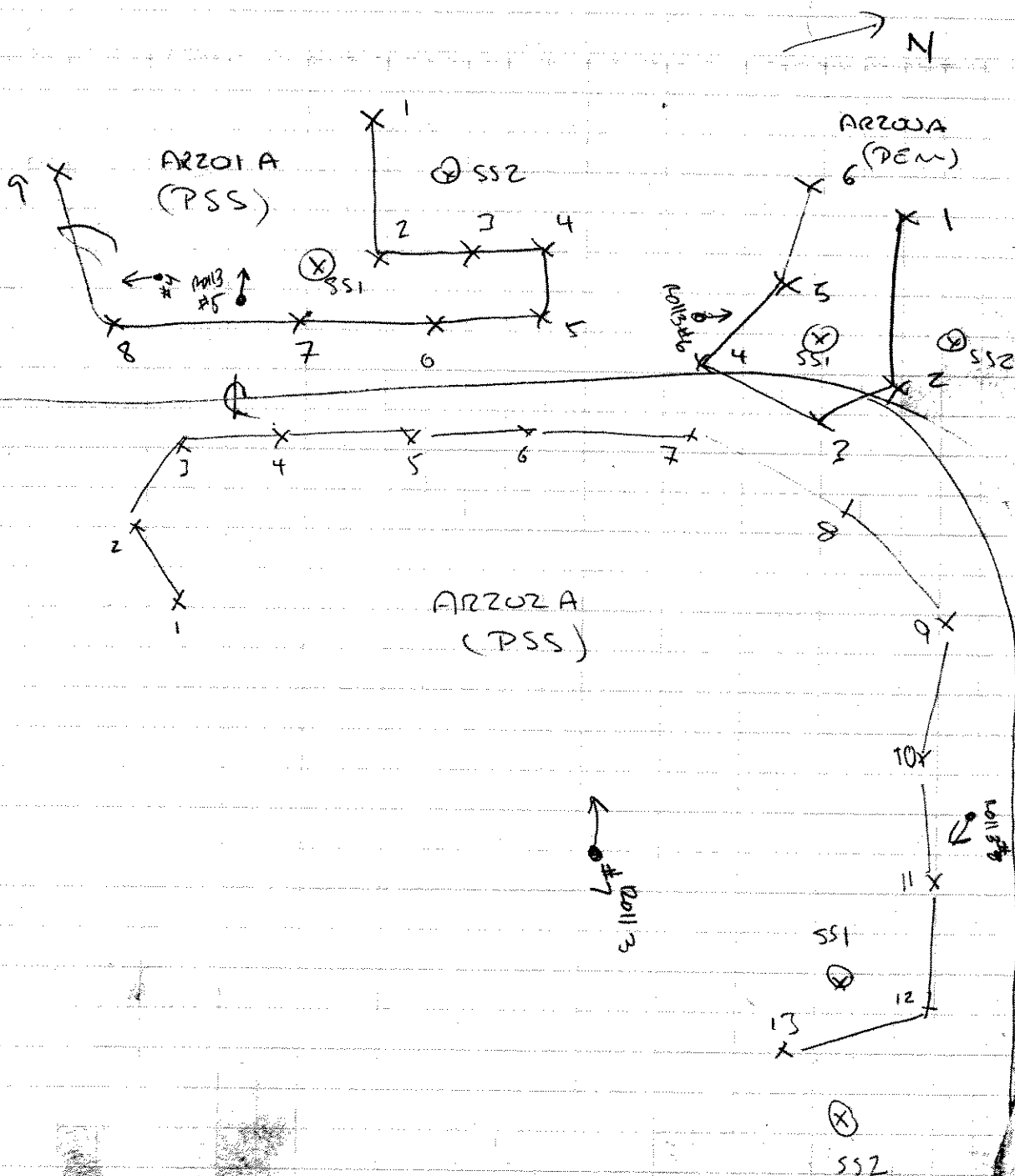
PAGES

WETLANDS - SKETCH

PHOTOS = Roll #3, FRAMES 4, 5, 6, 7, 8

AR 200A  
AR 201A  
AR 202A

terminus of suecia rd



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, Windsor</i> Applicant/Owner: <i>HURZEN</i> Investigator: <i>RETS, AK</i>	Date: <i>10/17/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WCRAN</i> Transect ID: <i>AR203A/B</i> Plot ID: <i>AR203A/B-551</i>

**VEGETATION**

*Pem / PSS*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>20%</i>	Herb: <i>95%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray birch</i>	<i>S</i>	<i>FAC</i>	9. <i>Ramies maple</i>	<i>H</i>	<i>OBL</i>
2. <i>RED MAPLE</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>STEEPLE bush</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>WOOD SPAN</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>SPHAG MOSS</i>	<i>H</i>	<i>-</i>	13.		
6. <i>LARGE LEAF G. RED</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Juncus Effusus</i>	<i>H</i>	<i>FACW+</i>	15.		
8. <i>MEADOWS SWEET</i>	<i>S</i>	<i>FAC+</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4" inches</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	Remarks:

Date: 10/17/05  
 Community ID:  
 Plot ID: ARZOYA SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	O <sub>1</sub>	10YR 2/1	None	—	ORGANIC
5-7	A <sub>1</sub>	10YR 3/3	None	—	CLAY LOAM
7-8	A <sub>2</sub>	10YR 5/3	None	—	CLAY

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

**Remarks:**

REFUSAL LAYER @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

**Remarks**

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Clinton County Wisconsin	Date: 10/17/05						
Applicant/Owner: Horizon	County: Clinton						
Investigator: Tom AK	State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (if needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
	Community ID: UPLC(1) Transect ID: AR203A/B Plot ID: SS-2						

**VEGETATION**

Mid Successional

Plant Community Classification:					
Percent Canopy Cover: Tree: 0 Shrub: 60% Herb: 75% Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. K. OAK	S	FACU-	9. CAROLINA GOLDROD	H	FACU
2. RED MAPLE	S	FAC	10. ASPEN	S	FACU
3. GRAY W. C.	S	FAC	11. HAWK WOOD (orange)	H	UPL*
4. TORONTO FERN	H	FACU	12.		
5. Club moss	H	FAC	13.		
6. Pearly everlasting	H	UPL*	14.		
7. Wild Strawberry	H	FACU	15.		
8. SWEET CLOVER	H	FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 27%					
Remarks: Exposed Bedrock. * - not listed					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2"	A	10YR 3/4	—	—	Silt LOAM
2-8"	B	10YR 2/4	—	—	Silt LOAM

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: REPEAL OF AVEER @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: <i>5/25/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes No Yes No Yes No
Community ID: <i>WETLANDS</i> Transect ID: Plot ID: <i>AL003A13</i> <i>553</i>	

**VEGETATION** *PSS/PEM*

Plant Community Classification:  
Percent Canopy Cover: Tree: *0* Shrub: *55%* Herb: *40%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. GRAY BIRCH	S	FAC	9.		
2. RED MAPLE	S	FAC	10.		
3. NAVY BLUE BERRY	S	FAC	11.		
4. STEEPLE BUSH	S	FACW	12.		
5. SPHAGNUM MUD	H		13.		
6. CRICKET GRASS	H		14.		
7. T. ELEGANS	H	FACW+	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $5/6 = 83\%$

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>5"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 5/25/07  
 Community ID: WETLANDS  
 Plot ID: AR203A1B-SS3

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR2/1	—	—	Silt loam
2-8	B <sub>1</sub>	10YR5/2	—	—	CLAY
8-18	B <sub>2</sub>	10YR5/6	2.5Y 6/4	Faint low/mch	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 5/25/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AR203 ATR Plot ID: 554

**VEGETATION** *mid successional (shrub)*

Plant Community Classification:					
Percent Canopy Cover: Tree: $\emptyset$ Shrub: 85% Herb: 80% Vine: $\emptyset$					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. GRAY Birch	S	FAC	9. <i>[illegible]</i>	H	
2. RED maple	S	FAC	10. <i>[illegible]</i>	H	
3. L.B. BLUEBERRY	S	FACW	11. <i>[illegible]</i>	H	FAC-
4. <i>[illegible]</i>	S	FAC+	12.		
5. <i>[illegible]</i>	S	FAC-	13.		
6. STRAWBERRY	H	UPL	14.		
7. Golden Rod	H		15.		
8. <i>[illegible]</i>	SH		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $3/11 = 27\%$					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 5/25/02  
 Community ID: UPLANDS  
 Plot ID: AR203AD-884

**SOILS**

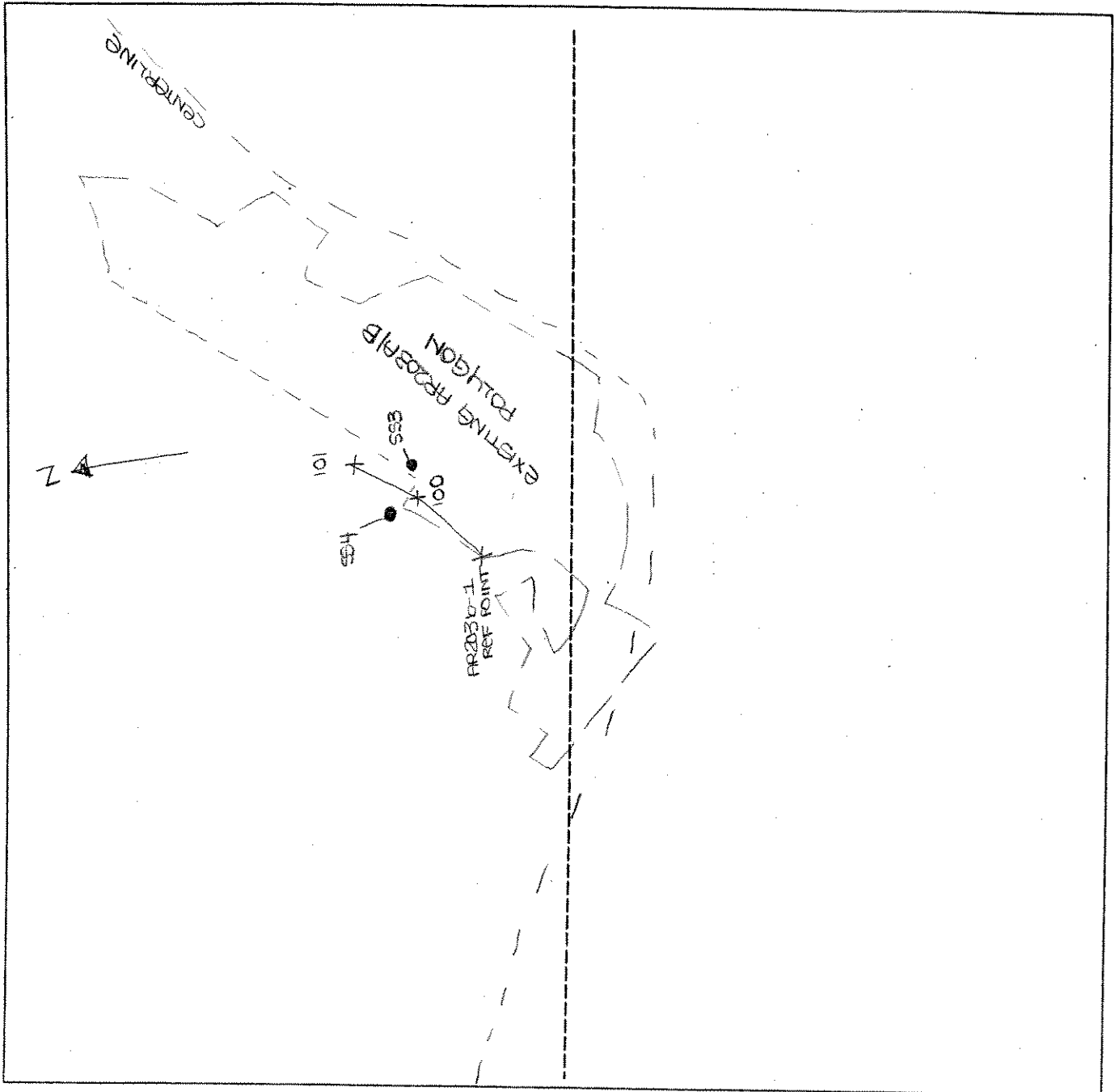
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/1	—	—	Silty loam
3-8	B	10YR 4/2	—	—	Clay loam *
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					
Shallow soils on bedrock Return of Aqa at 8" <span style="float: right;">* organic streaky</span>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

SKETCH FORM

Wetland ID/Route #: <b>AR203 AIB EXT</b>	Date: <b>5/27/07</b>	Time:
Initials of Delineators: <b>RJD</b>	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, Windsor</i>	Date: <i>10/19/05</i>
Applicant/Owner: <i>Horizon</i>	County: <i>Clinton</i>
Investigator: <i>REA, AK</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>WETLANDS</i> Transect ID: <i>AR204A</i> Plot ID: <i>551</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *PEM*

Percent Canopy Cover: Tree: *0* Shrub: *15%* Herb: *80%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BEAK willow</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>RED maple</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>CATTAIL</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>WOOL GRASS</i>	<i>H</i>	<i>FACWT</i>	12.		
5. <i>J. CYPERUS</i>	<i>H</i>	<i>FACWT</i>	13.		
6. <i>LANCE LEAVED B. REED</i>	<i>4</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *PEM CENTRAL  
PSS AT PERIPHERY*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>1.5'</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>standing water ~ 1.5' Deep</i>	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

25/25  
 25/25  
 25/25

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O				ROOT MAT
2-6	A	10YR 5/3			Silty CLAY LOAM
		10YR 5/2	10YR 3/2	many/fine/FAINT	Silty CLAY LOAM
6-10"	B	10YR 6/2			CLAY

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

**Remarks:**

Difficult in RETRIEVING soil sample due to  
 FAVORABLE conditions

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

**Remarks**

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Clinton County Wisconsin</i> Applicant/Owner: <i>HORNER</i> Investigator: <i>RTH, AK</i>	Date: <i>10/17/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPLM1</i> Transect ID: <i>AR204 A</i> Plot ID: <i>552</i>

**VEGETATION**

*Disturbed Road side*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <i>90%</i>	Vine: <input type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Knapweed</i>	<i>H</i>	<i>UPL*</i>	9.		
2. <i>Canada B. Pod</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Wild Lettuce</i>	<i>H</i>	<i>FACW-</i>	11.		
4. <i>Red Clover</i>	<i>H</i>	<i>FACW-</i>	12.		
5. <i>Yarrow</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Bull Thistle</i>	<i>H</i>	<i>FACW-</i>	14.		
7. <i>Low Vetch</i>	<i>H</i>	<i>UPL*</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <input checked="" type="checkbox"/>					
Remarks: <i>* NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>N/A</i>  Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	





TETRA TECH

SUBJECT Clinton Co Wastewater

Division

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

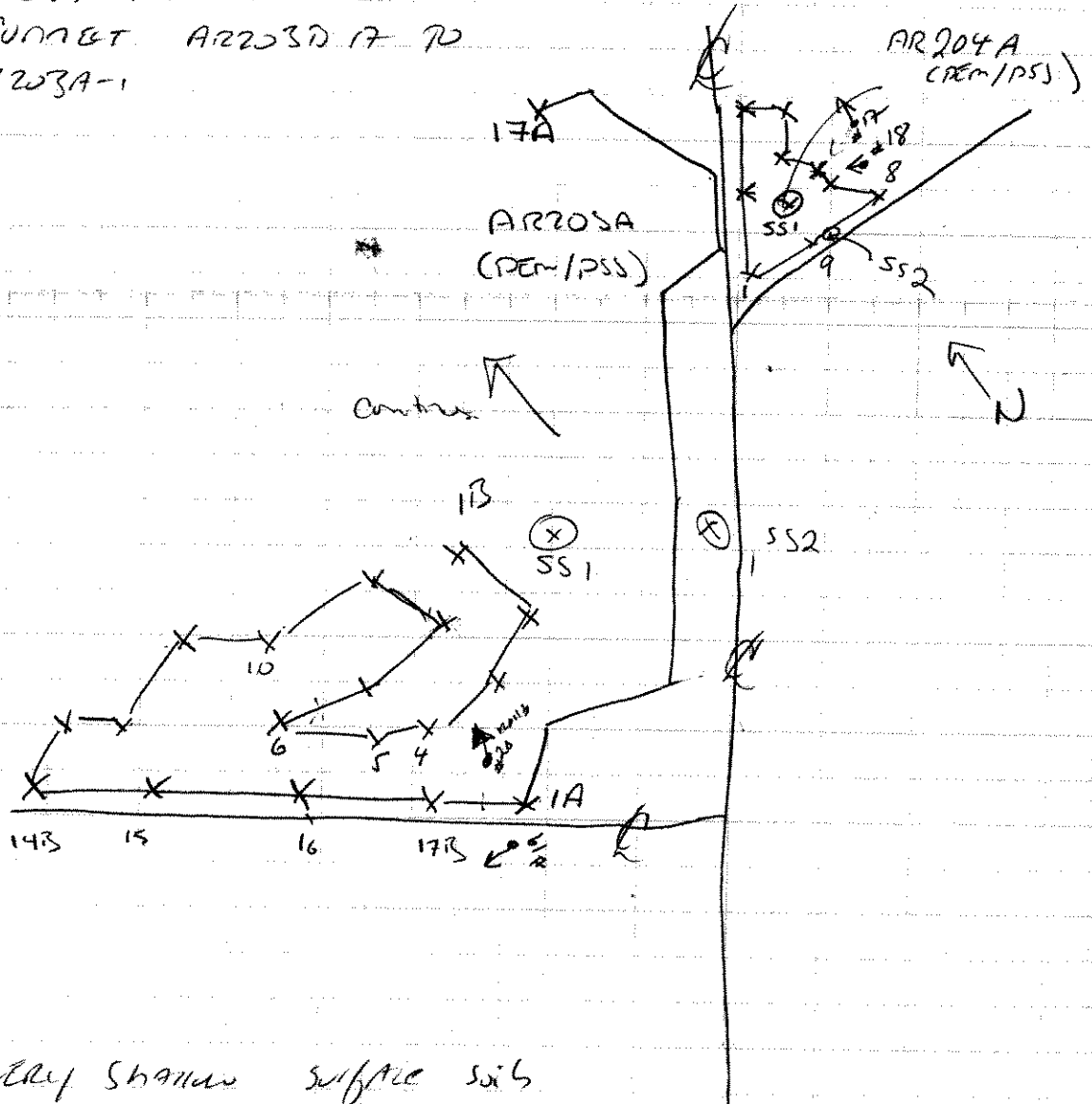
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 01/17/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

AR204-A  
AR203A & AR203B

PHOTOS - Roll 13, FRAMES 20, 19, 18, 17

NOTE: CORRECT AR203D 17 TO  
AR203A-1



NOTE: VERY SHALLOW SURFACE SOILS



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <u>RTA, AK</u>	Date: <u>10/17/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WETLAN1</u> Transect ID: <u>AR205A</u> Plot ID: <u>SSI</u>

**VEGETATION** PSS WETLAN1

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0%</u> Shrub: <u>40%</u> Herb: <u>75%</u> Vine: <u>5%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>	9.		
2. <u>GRAY Birch</u>	<u>T1S</u>	<u>FAC</u>	10.		
3. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>TALL Golden Rod</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Fowl Meadow Grass</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>ORLYX Crinoid</u>	<u>H</u>	<u>OBSL</u>	14.		
7. <u>Virgin Bower</u>	<u>✓</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>NOTE:</u> <u>- Corylus ludica - waterway - (once located golden rod)</u> <u>- Juncus effusus - ELDER observed in some parts of wetland</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Just west of confluence of STA 'C' STB</u>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR 3/1	—	—	S.H.c1a-10a
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Reason of Aqa at 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <u>ROD, AK</u>	Date: <u>10/17/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPLAN1</u> Transect ID: <u>AR205 A</u> Plot ID: <u>SS2</u>

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>20%</u> Herb: <u>40%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>BLK CHERRY</u>	<u>T</u>	<u>FACU</u>	9. <u>WOOD PEAR</u>	<u>H</u>	<u>FAC+</u>
2. <u>SUGAR MAPLE</u>	<u>T/S</u>	<u>FACU-</u>	10. <u>VIOLET CLOVER</u>	<u>H</u>	<u>UPL*</u>
3. <u>RED MAPLE</u>	<u>T/S</u>	<u>FAC</u>	11. <u>GRASS SP</u>	<u>H</u>	<u>unknown</u>
4. <u>BROWN BIRCH</u>	<u>T</u>	<u>FAC</u>	12. <u>CANADA GULF LID</u>	<u>H</u>	<u>FACU</u>
5. <u>AMERICAN BEECH</u>	<u>S</u>	<u>FACU</u>	13.		
6. <u>SPRUCE</u>	<u>T</u>	<u>FACU</u>	14.		
7. <u>BASWOOD</u>	<u>S</u>	<u>FACU</u>	15.		
8. <u>BRANDIES</u>	<u>S</u>	<u>unknown</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks: <u>*NOT LISTED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Recent HEAVY RAIN</u>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	D	10YR 2/1	—	—	OM
2-8	A	10YR 3/3	—	—	Clay 10AM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Reason of Aqa at 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
				Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <u>RTD, AK</u>	Date: <u>10/17/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR2053</u> Plot ID: <u>551</u>

**VEGETATION**

PEM / PSS

Plant Community Classification:  
Percent Canopy Cover: Tree: 50% Shrub: 40% Herb: 75% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. STEEPLE bush	S	FACW	9. Large leaved goldenrod	H	FAC
2. MEADOW SWEET	S	FACW	10. GRASS	S	FAC
3. Amer ELW	T	FACW-	11. ROYAL WOOD	S	FAC
4. ROYAL WOOD	H	OBL	12.		
5. TALL MEADOW GRASS	H	FACW	13.		
6. BLUE SET	H	FACW+	14.		
7. R.S. Goldenrod	H	FAC	15.		
8. CAREX crinata	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>EDGE of BEAVER POND</u>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			OM
3-6	A	10YR 3/2	10YR 5/6	FEW, Fine, Diffuse	CLAY 10Am
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  <div style="font-family: cursive; font-size: 1.2em;">           REVERSAL OF A<sub>1</sub> AT 6"         </div>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <del>RTD</del> - AIC	Date: 10/17/05 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: UPLAND Transect ID: AR205B Plot ID: 552							

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover:		Tree: 75%	Shrub: 30%	Herb: 20%	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Tashed ASPEN	T/S	FACU-	9. MOSS	H	unknown
2. MT. AIDER	S	FAC	10. BILK CHERRY	S	FACU
3. GRAY BIRCH	S	FAC	11. RAM WOOD	T/S	FACU
4. SERVICE BERRY	S	UPL*	12.		
5. WOOD REED GRASS	H	UPL*	13.		
6. WOOD BERN	H	FAC	14.		
7. BIRCH	S/H	unknown	15.		
8. COMMON GOLDEN ROD	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 27%					
Remarks: * NOT LISTED.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): ~6"	
Remarks: Recent Heavy RAIN shaller surface soils	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1			OR
1-2	A	10YR 3/3			Silty clay
2-7	B	10YR 4/3			clay silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Exposed bed rock Recess of angle at 7"					

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks				





TETRA TECH

SUBJECT AR205A/B

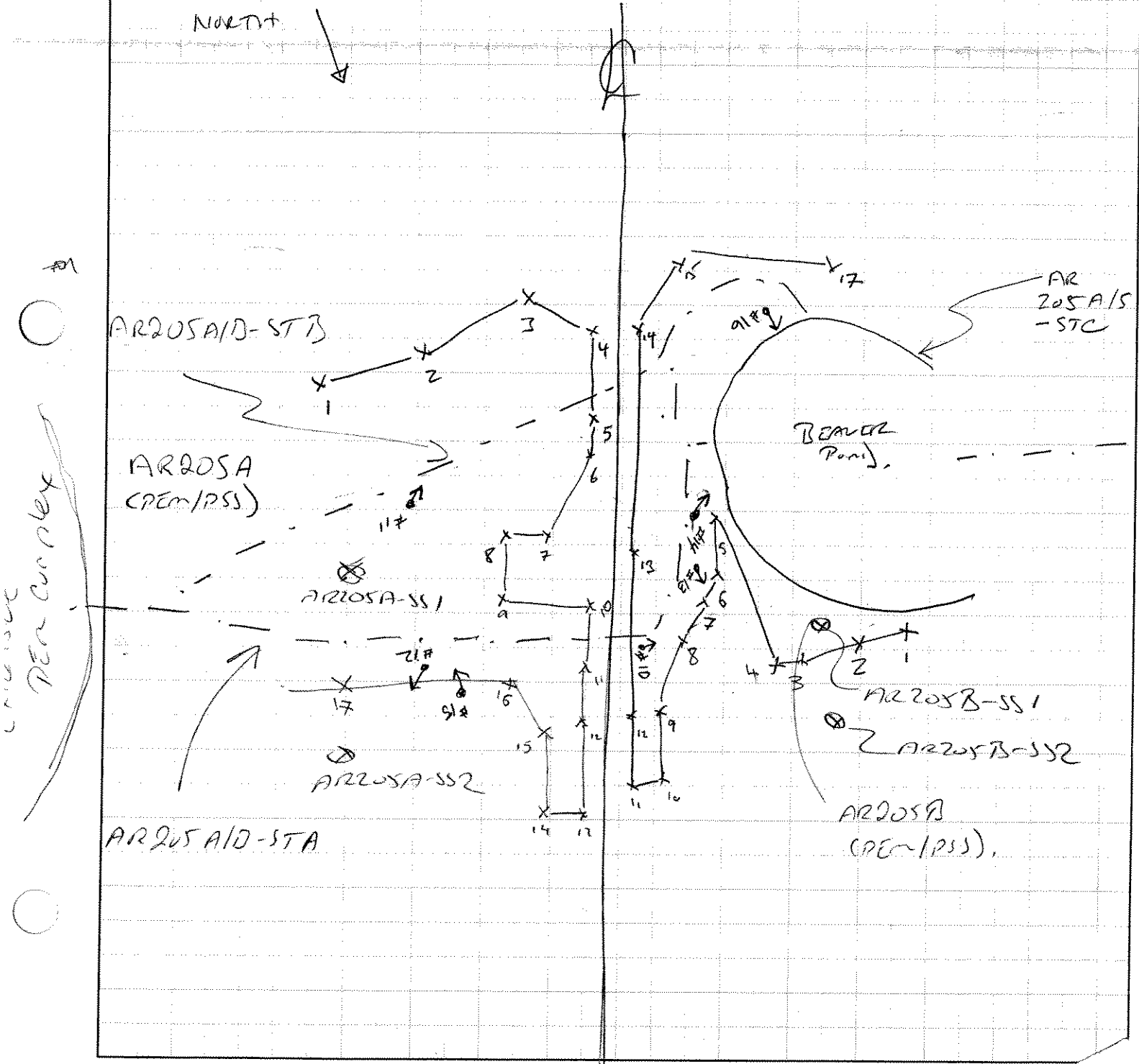
PROJECT Monte Co. Watershed

TC/P NO. 17610

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 10/13/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

AR205A/B *f* PHOTOS ROLL 3 - 10, 11, 12, 13, 14, 15, 16  
AR205A/B - STA, B, C



line  
extension

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(Signature)</i>	Date: 5/24/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: wetland Transect ID: AR205A1B Plot ID: S-3

**VEGETATION** *Per wetland - includes drained beaver pond*

Plant Community Classification:  
 Percent Canopy Cover: Tree: *0* Shrub: *10%* Herb: *80%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>mesquite</i>	<i>S</i>	<i>FAC+</i>	9.		
2. <i>Carex</i>	<i>H</i>		10.		
3. <i>green bluish</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>grass sp</i>	<i>H</i>		12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC): *2/4 = 50%*

Remarks: *Keep Carex & sensitive fern in other parts of plot*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>2" in places</i> Depth to Free Standing Water in Pit (in.): <i>2"</i> Depth to Saturated Soil (in.): <i>0"</i>	Remarks: <i>Drained beaver pond contribute to previous stream</i>  <i>Beaver tracks in mud</i>

Date: 5/24/07  
 Community ID: wetland  
 Plot ID: AR205A12

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-17	A	10YR 2/1	—	—	Silty Muck

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not ✓ SOLIDIFIED Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

Line  
extension

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(Signature)</i>	Date: 5/24/07 County: Clinton State: NY												
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	No	<input type="radio"/>	<input checked="" type="radio"/>	Yes	No	<input type="radio"/>	<input type="radio"/>
Yes	No												
<input checked="" type="radio"/>	<input type="radio"/>												
Yes	No												
<input type="radio"/>	<input checked="" type="radio"/>												
Yes	No												
<input type="radio"/>	<input type="radio"/>												
Community ID: UPLAD Transect ID: AR205A1D Plot ID: SS4													

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: 55% Shrub: 80% Herb: 7% Vine: 2%					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. TRAMBLE	5		9.		
2. RED MAPLE	7/5	FAC	10.		
3. M. CANAD. SWAMP	5	FAC	11.		
4. GOLDEN ROD	11		12.		
5. 2. SPERM. BLEED	4	FAC	13.		
6. BERRY BUSH	5	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/7 = 57%.					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 5/24/07  
 Community ID: CPCA  
 Plot ID: AR205 A1B-SS 4

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR2/1	—	—	BLACK silt 10% w/ LEAF Litter

- Hydro Soil Indicators**
- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks:  
 Vtly Rocky

**WETLAND DETERMINATION**

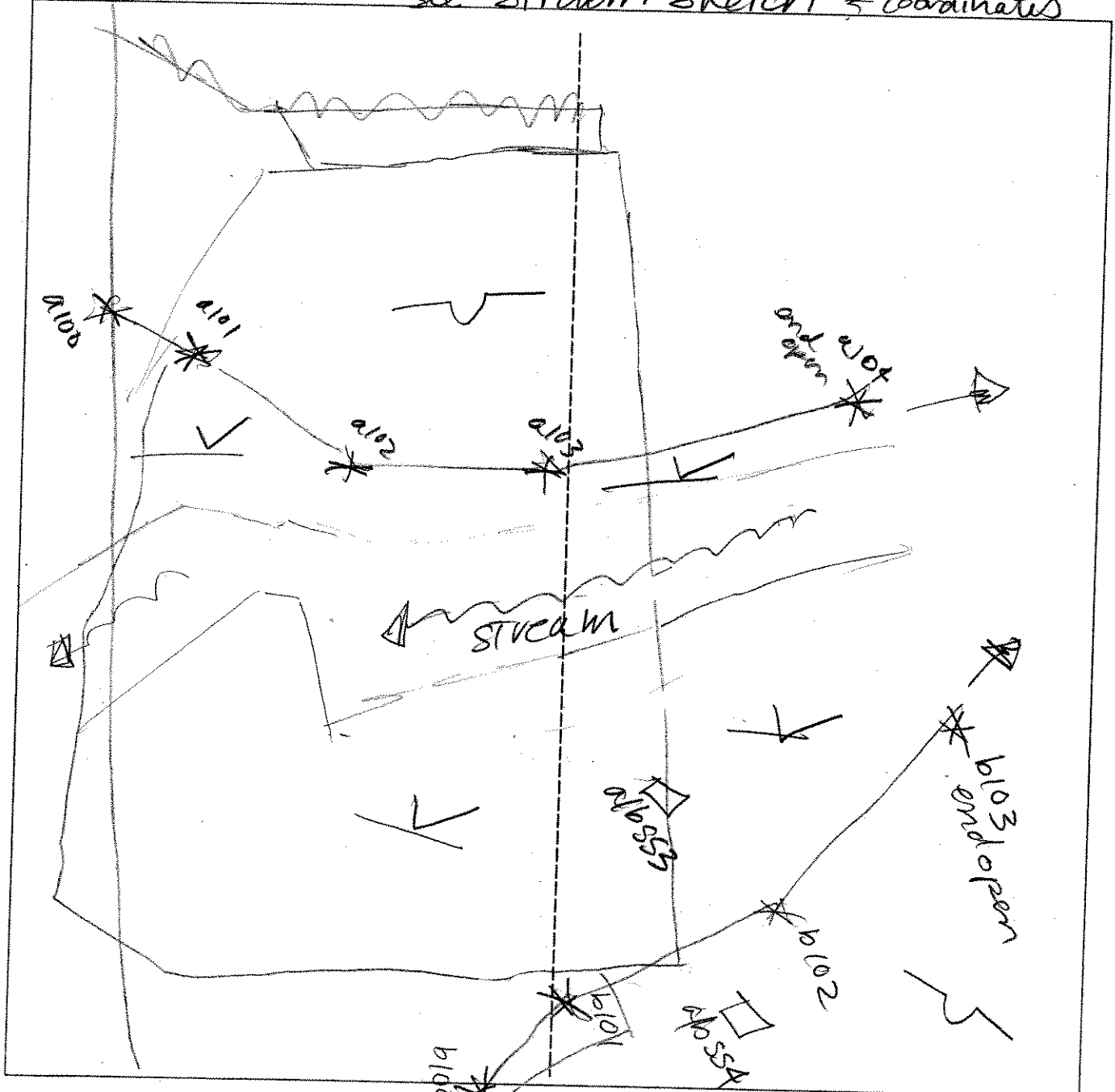
Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR 205 A/B</b>	Date: <b>5/24/07</b>	Time:
Initials of Delineators: <b>RD AP</b>	Location:	
Roll #:	Frames:	

see stream sketch & coordinates



**Legend**

○▲ Photo Location/Direction	∨ Wetland
□ Sample Station	— Upland
- - - Centerline	— Stream
▷ Flag	- . - Intermittent Stream

\*GPS real time location didn't match up with background h10 data

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>HURFON</i> Investigator: <i>RAK, AK</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>AR206A</i> Plot ID: <i>551</i>

**VEGETATION**

*PEM WETLAND*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <i>100%</i>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TALL GRASS</i>	H	FACW	9. <i>Juncus</i>	H	FACW
2. <i>Large-leaved</i>	H	FAC	10. <i>Rush</i>	H	OBL
3. <i>Small</i>	H	FACWT	11. <i>Blueweed</i>	H	OBL
4. <i>Sensitive</i>	H	FACW	12. <i>Carex</i>	H	—
5. <i>Pond</i>	H	FACW	13. <i>Juncus</i>	H	FACWT
6. <i>Ranunculus</i>	H	OBL	14.		
7. <i>NY-ASTER</i>	H	FACWT	15.		
8. <i>Juncus</i>	H	—	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <input checked="" type="checkbox"/> Depth to Saturated Soil (in.): <input checked="" type="checkbox"/>	Remarks:

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE		ORGANIC
2-8	A1	10YR 3/2	10YR 6/2	MANY COARSE FROWN	CLAY LOAM
8-12	A2	10YR 3/1	NONE		CLAY LOAM
12-14	B	10YR 2/2	10YR 6/4	MANY COARSE FROWN	SANDY LOAM

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks: AUGER PROBE @ 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Hudson</i> Investigator: <i>RTD, AK</i>	Date: <i>10/18/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>AR206A</i> Plot ID: <i>552</i>

**VEGETATION**

*UPLAND FOREST*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85</i> Shrub: <i>75%</i> Herb: <i>5%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar maple</i>	<i>T1S</i>	<i>FACW-</i>	9.		
2. <i>WILD RICE</i>	<i>H</i>	<i>FAC+</i>	10.		
3. <i>ROSMARINE</i>	<i>S1H</i>	<i>unknown</i>	11.		
4. <i>WILD REEDS</i>	<i>H</i>	<i>UPL*</i>	12.		
5. <i>AMERICAN</i>	<i>S</i>	<i>FACW</i>	13.		
6. <i>T ASPEN</i>	<i>T</i>	<i>FACW</i>	14.		
7. <i>MUM</i>	<i>H</i>	<i>unknown</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>14%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	G	10YR 2/1	NONE	—	ORGANIC
2-6	A	10YR 2/2	NONE	—	CLAY LAYER

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: AUGER REFUSAL @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

10/10/07  
AR206A

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

AR206A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <b>JV AP</b>	Date: <b>5/10/07</b> County: <b>Clinton</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>AR206A</b> Transect ID: Plot ID: <b>PEM</b>

**VEGETATION**

Plant Community Classification: **Adjacent to open field**  
Percent Canopy Cover: Tree: **0** Shrub: **45** Herb: **99** Vine: **0**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sensitive Fern	H	FACW	9.		
2. Aster	H	-	10.		
3. Spina latifolia	H	FACW	11.		
4. Wood Horsetail	H	FACW	12.		
5. Grass sp	H	-	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **>50 %**

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves  <input type="checkbox"/> Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <b>NA</b>          Depth to Free Standing Water in Pit (in.): <b>12"</b>          Depth to Saturated Soil (in.): <b>0"</b></p>	
Remarks:	

Date: 6/10/07  
 Community ID: wetland SSI  
 Plot ID: AR206

**SOILS**

Map Unit Name: *FA 01c*  
 (Series and Phase): *9A VL*  
 Taxonomy (SubGroup): *MST*  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10.5YK 2/2	10.5YK 2/2		loam
12-15	B	7.5YK 3/3	7.5YK 3/3		clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *saturation @ 0", H2O in pit @ ~12"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<i>AVI</i>	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		

Remarks *Photo = S*

5/10/07  
A 2069A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: Transect ID: A2069A Plot ID: EXTENSION

**VEGETATION**

Plant Community Classification: Open Field  
 Percent Canopy Cover: Tree:  Shrub:  Herb: 100 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Alsike Clover</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Plantain</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>Galium</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Vetch</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Shuttle</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): < 50%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/10/07  
 Community ID: upland SS2  
 Plot ID: AR206 A

**SOILS**

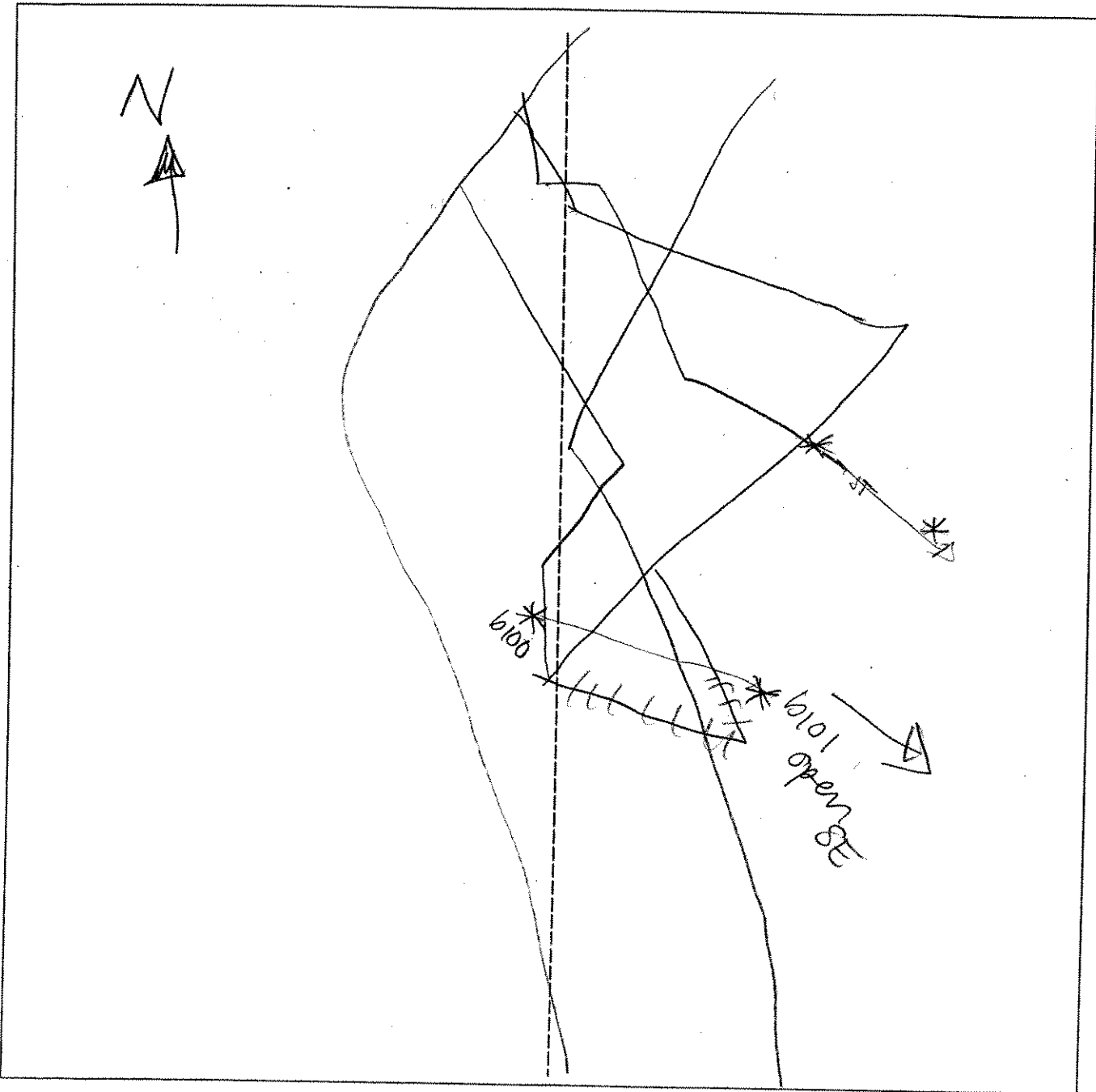
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations: <i>SA VL</i>			
		Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			Silt loam
12-15	A1	10YR 3/2	10YR 2/1	common, distinct, sparse	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR 206 EXTENSION	<b>Date:</b> 10 May 07 <b>Time:</b>
<b>Initials of Delineators:</b> JV                  AP	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County <del>Ellenburg</del> Applicant/Owner: Horizon Renewable Energy Investigator: <u>RJA, AK</u>	Date: <u>10/18/05</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
	Community ID: <u>WETLAND</u> Transect ID: <u>AR206 B</u> Plot ID: <u>SS1</u>						

**VEGETATION**

PEM WETLANDS

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>&lt; 5%</u>	Herb: <u>100%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>JITTY WOOD</u>	<u>H</u>	<u>—</u>	9. <u>DOGWOOD</u>	<u>H</u>	<u>FACWA</u>
2. <u>MUTTON</u>	<u>H</u>	<u>OBL</u>	10. <u>SUNFLOWER</u>	<u>H</u>	<u>FACWA</u>
3. <u>BRAK WILLOW</u>	<u>S</u>	<u>FACW</u>	11. <u>LARGE LEAVED GOLDENROD</u>	<u>H</u>	<u>FAC</u>
4. <u>FLAT TOPPED ASTER</u>	<u>H</u>	<u>FACW</u>	12. <u>CANADA RUSH</u>	<u>H</u>	<u>OBL</u>
5. <u>SENSITIVE PERNA</u>	<u>H</u>	<u>FACW</u>	13. <u>DICKENS BULLOCK</u>	<u>H</u>	<u>OBL</u>
6. <u>RUSH ASTER</u>	<u>H</u>	<u>OBL</u>	14. <u>CAREX SP</u>	<u>H</u>	<u>—</u>
7. <u>JEWEL WOOD</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>HARETAIL RUSH</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>DIVERSE</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	



**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 7/1	NONE	---	ORGANIC
3-8	A	10YR 8/2	NONE	---	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>AVGGR REFUSAL @ 8"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Clinton County</u> Applicant/Owner: <u>HAZON</u> Investigator: <u>RTM, BK</u>	Date: <u>10/18/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR206B</u> Plot ID: <u>SS2</u>

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>85%</u> Shrub: <u>60%</u> Herb: <u>5%</u> Vine: <u>X</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SUGAR MAPLE</u>	<u>T/S</u>	<u>FACW</u>	9.		
2. <u>RED SPICE</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>WOOD PEAR</u>	<u>H</u>	<u>FAC+</u>	11.		
4. <u>Moss</u>	<u>H</u>	<u>-</u>	12.		
5. <u>WOOD PEAR</u>	<u>H</u>	<u>OBL</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>20%</u>					
Remarks: <u>* NOT LISTED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	NONE	---	ORGANIC CLAY LOAM
1-6	A	10YR 5/1	NONE	---	

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: AUGER REFUSAL @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No			

Remarks



TETRA TECH

SUBJECT AR206A/B

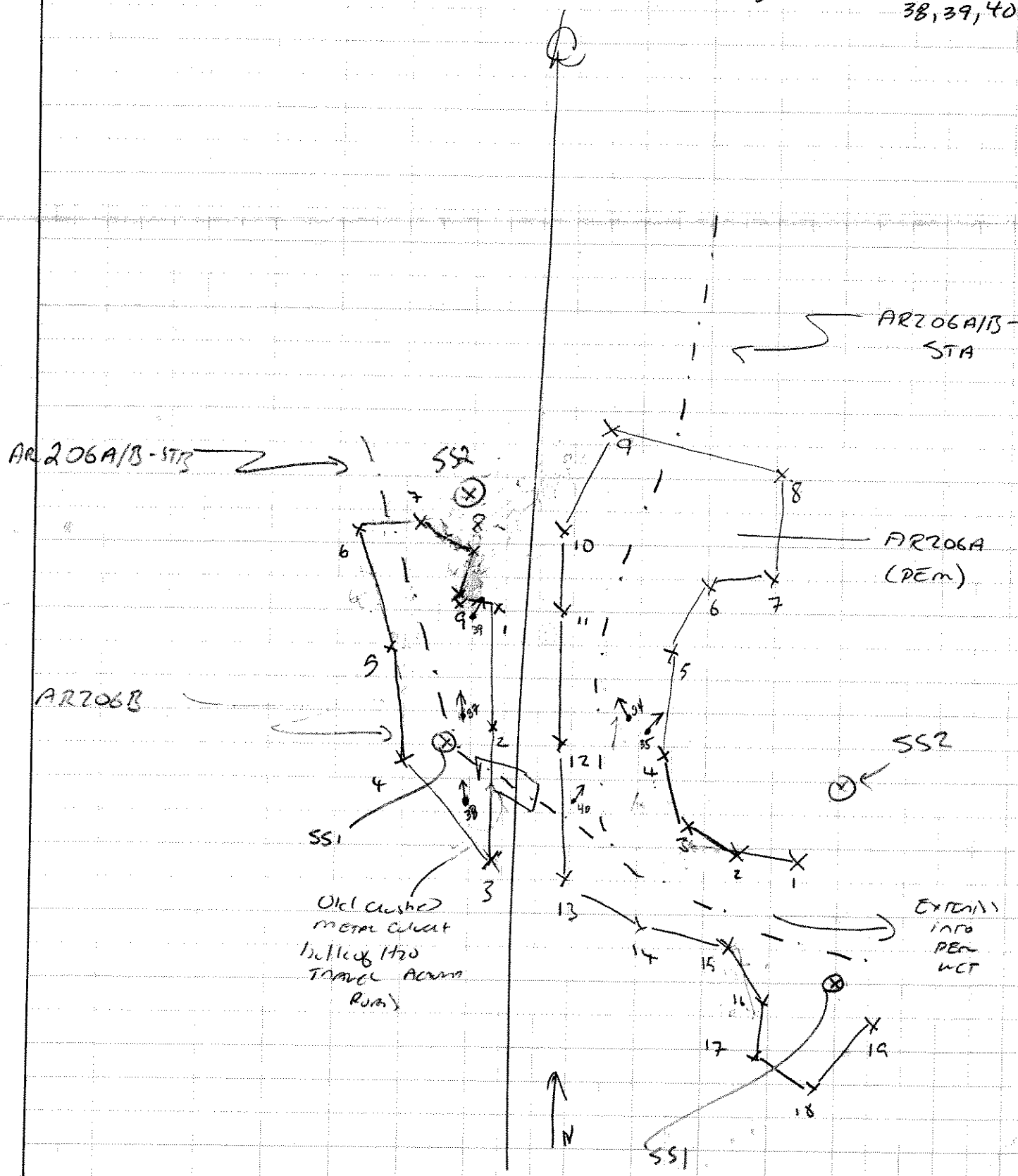
PROJECT Clinton Co WMD/RFM

TC/P NO. Warrior

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE 10/19/05 PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

PHOTOS - DIGITAL FILE  
P-101805 FRAMES: 24, 35, 37  
38, 39, 40



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County</u> Applicant/Owner: <u>HURON</u> Investigator: <u>RAJ AK</u>	Date: <u>10/29/05</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>WETLAND</u> Transect ID: <u>AR 207A</u> Plot ID: <u>SSI</u>							

**VEGETATION**

PEN/PSS - OW

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>5%</u>	Shrub: <u>10%</u>	Herb: <u>40%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus effusus</u>	H	FACW+	9. <u>Pennisetum setaceum</u>	S	FACW+
2. <u>Phragmites australis</u>	H	FACW	10. <u>Hieracium</u>	H	—
3. <u>Dryas</u>	H	OBL	11.		
4. <u>Red maple</u>	S	FAC	12.		
5. <u>Black Willow</u>	S	FACW	13.		
6. <u>Tree canopy grass</u>	H	FACW+	14.		
7. <u>Blue weed</u>	H	OBL	15.		
8. <u>Spartina</u>	H	—	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated in upper 12 inches</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil Survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>12"</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>Ø</u></p> <p>Depth to Saturated Soil (in.): <u>Ø</u></p>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	NONE	<del>None</del>	<del>Very Organic</del>
1-12	A	10YR 7/2	10YR 5/6 10YR 8/8	<del>None</del> Many, coarse, distinct	<del>Very Sandy Clay</del>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: AUGER STOP @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No Is this an Isolated Wetland? Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County</u> Applicant/Owner: <u>Horizon</u> Investigator: <u>Peter Ark</u>	Date: <u>10/19/05</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>UPLA.1</u> Transect ID: <u>AR207A</u> Plot ID: <u>552</u>							

**VEGETATION**

UPLAND FOREST

Plant Community Classification:						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>Sugar maple</u>	<u>T/S</u>	<u>FACU</u>	9.			
2. <u>American White Birch</u>	<u>H</u>	<u>UPLK</u>	10.			
3. <u>Gray birch</u>	<u>S</u>	<u>FAC</u>	11.			
4. <u>Q. ALBA</u>	<u>S</u>	<u>FACU</u>	12.			
5. <u>Trambles</u>	<u>S</u>	<u>unknown</u>	13.			
6. <u>Bunch grass</u>	<u>H</u>	<u>FAC</u>	14.			
7. <u>CANADA Golden ROD</u>	<u>H</u>	<u>FACU</u>	15.			
8. <u>Wood fern</u>	<u>H</u>	<u>FACU</u>	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>						
Remarks: <u>* NOT LISTED</u>						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	NONE	---	<del>SELF ORGANIC</del>
1-3	A	10YR 3/3	NONE	---	SANDY CLAY
3-7	B1	10YR 7/4	NONE	---	SANDY CLAY
6-8	B2	10YR 6/3	10YR 6/8	MANY LARGE MEDIUM	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <b>AUER REFLECT @ 8"   ≈ 6" TO WATER</b>					

**WETLAND DETERMINATION**

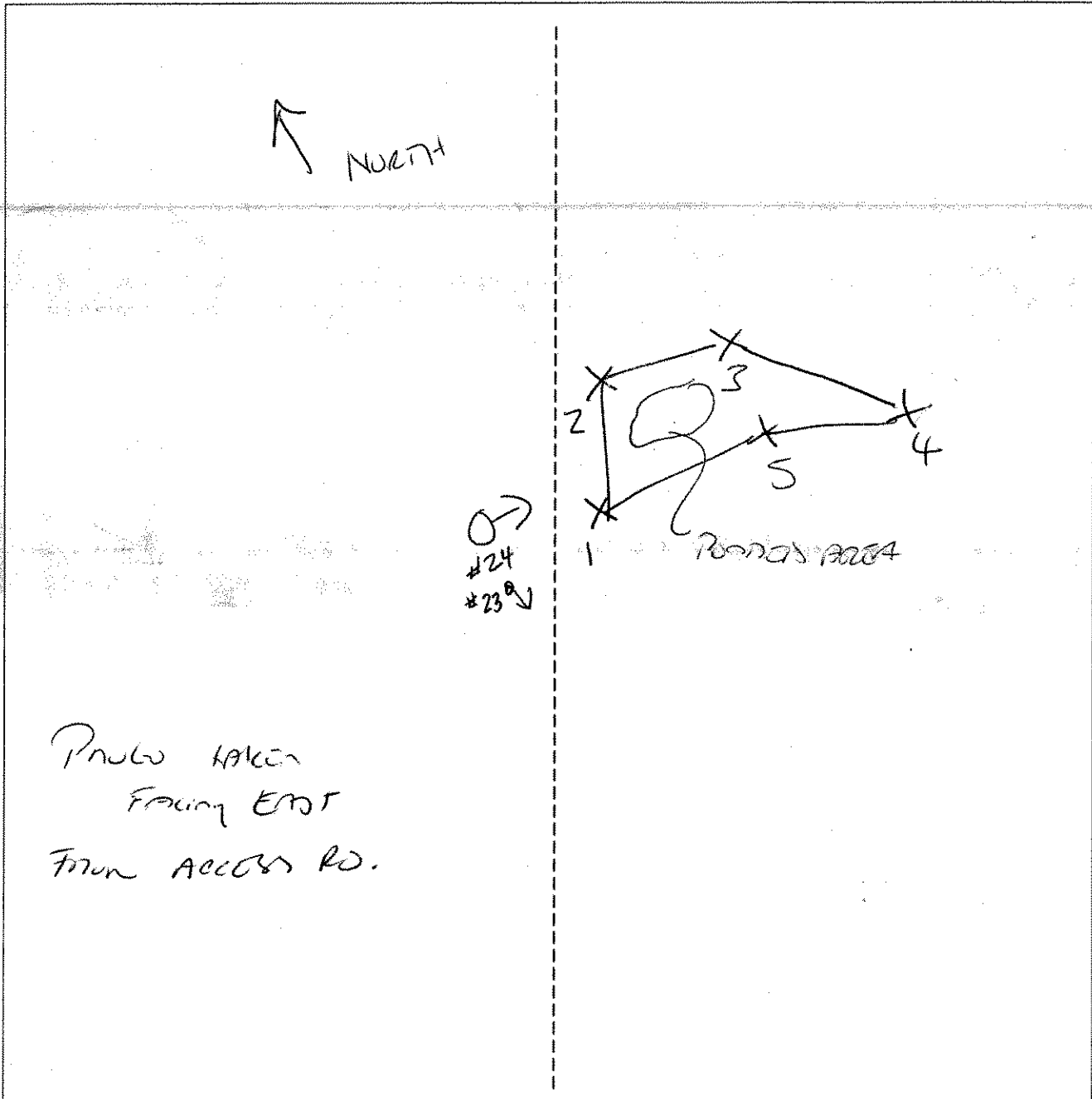
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)		(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No			
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
				Is this an Isolated Wetland?	Yes No
Remarks					



SKETCH FORM

(BIB)

Wetland ID/Route #: <u>AR207A</u>	Date: <u>10/18/05</u> Time: <u>0940</u>
Initials of Delineators: <u>IBB, AK</u>	Location: <u>NORTH END of SOURCE RD.</u>
Roll #: <u>4</u> Frames: <u>24, 23</u>	<u>TEAM B</u>



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County</u> Applicant/Owner: <u>Huron</u> Investigator: <u>TCN, AK</u>	Date: <u>10/19/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR 208 A</u> Plot ID: <u>SSI</u>

**VEGETATION** PEM WETLAND

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>5%</u> Herb: <u>95%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Common Smartweed</u>	<u>H</u>	<u>OBL</u>	9. <u>CRISTATA SCIRPUS</u>	<u>H</u>	<u>FACW</u>
2. <u>WOOD GRASS</u>	<u>H</u>	<u>FACW</u>	10. <u>MANADA BUSH</u>	<u>H</u>	<u>OBL</u>
3. <u>DK GRASS BULLRUSH</u>	<u>H</u>	<u>OBL</u>	11. <u>ASTOR-JUNCUS</u>	<u>H</u>	<u>OBL</u>
4. <u>Willow Herb</u>	<u>H</u>	<u>OBL</u>	12. <u>WETLAND BUSH</u>	<u>H</u>	<u>-</u>
5. <u>LARGE LEAFED GALDARD</u>	<u>H</u>	<u>FAC</u>	13. <u>RED WING BLACKBERRY</u>	<u>S</u>	<u>FACW</u>
6. <u>CATTAIL</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Small leaved grass</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>WATER SPITTLE</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>NOTE: LEMNA on ponded AREA</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4 1/2 in, 1 in</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE	—	<del>SANDY CLAY</del>
2-4	A1	10YR 2/1	NONE	—	SANDY CLAY
4-6	A2	10YR 4/1	NONE	—	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: AUG OUT @ 6" 0" TO H <sub>2</sub> O					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>AR208A-552 Clinton County</u> Applicant/Owner: <u>HURFEN</u> Investigator: <u>JOHN, AK</u>	Date: <u>10/19/88</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR208A</u> Plot ID: <u>552</u>

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>10%</u> Herb: <u>10%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>HOOP KURRUM</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Club moss</u>	<u>H</u>	<u>FAC</u>
2. <u>YELLOW BIRCH</u>	<u>T</u>	<u>FAC</u>	10. <u>moss sp</u>	<u>H</u>	<u>FAC</u>
3. <u>STRIPED MAPLE</u>	<u>S</u>	<u>FACW</u>	11. <u>MT. AINSL</u>	<u>S</u>	<u>FAC</u>
4. <u>SUGAR MAPLE</u>	<u>T/S/H</u>	<u>FACW</u>	12. <u>WOOD PEAR</u>	<u>H</u>	<u>FACW</u>
5. <u>BASSWOOD</u>	<u>S</u>	<u>FACW</u>	13. <u>Indian tobacco</u>	<u>H</u>	<u>FACW</u>
6. <u>GOLDENROD (Canada)</u>	<u>H</u>	<u>FACW</u>	14. <u>ASTER sp</u>	<u>H</u>	<u>FACW</u>
7. <u>PASPALE</u>	<u>S</u>	<u>unknown</u>	15. <u>TULL TIMOTHY</u>	<u>H</u>	<u>FACW</u>
8. <u>W. AINSL</u>	<u>T</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>2"</u>	
Remarks: <u>Recent heavy rain &amp; shallow soils</u>	

ID:

**SOILS**

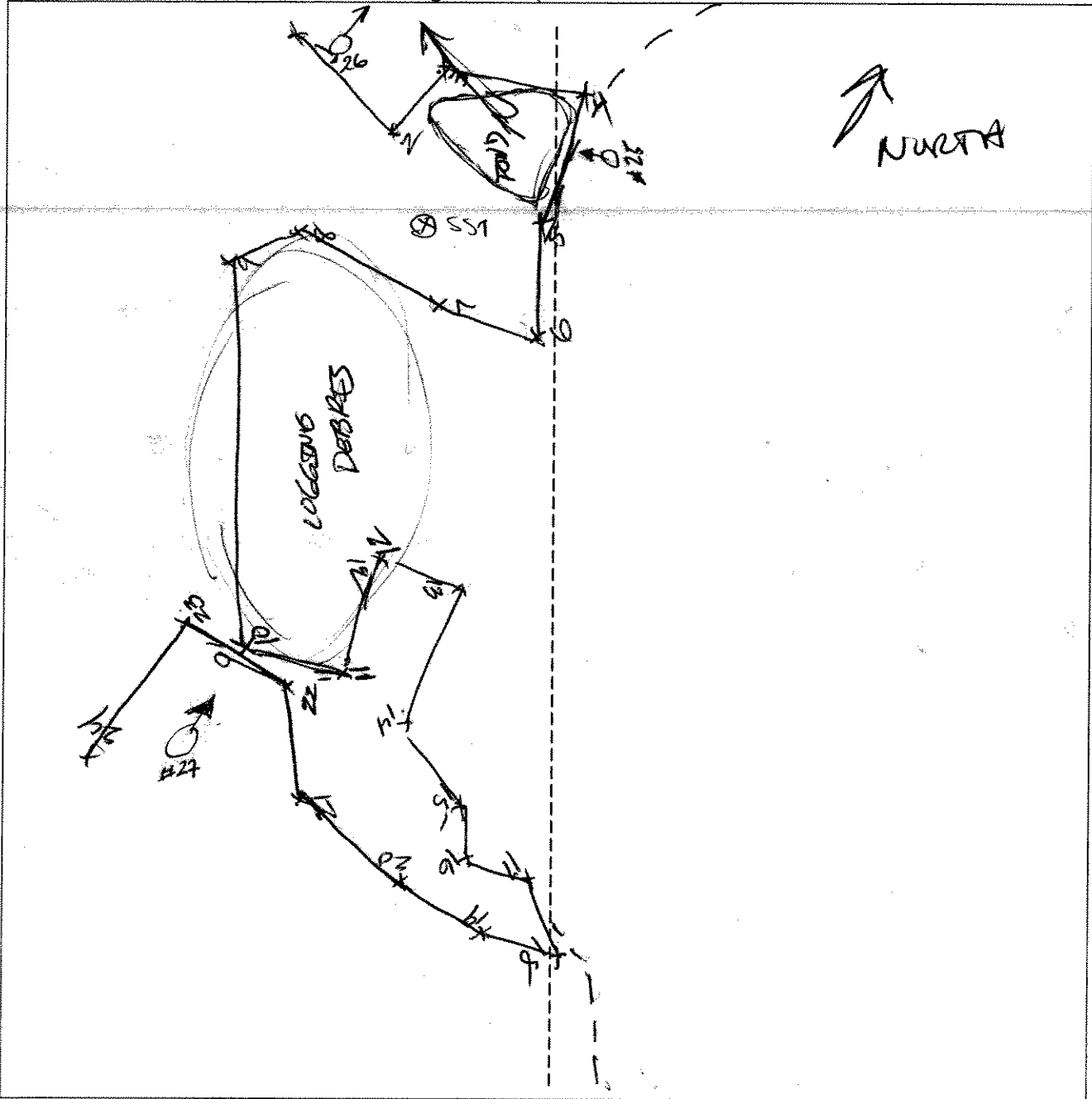
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sup>0</sup>	10YR 2/4	NONE	—	<del>VERY LIGHT BROWN</del>
3-6	A	10YR 5/4	NONE	—	CLAY COMMON
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: AUGER OUT @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

SKETCH FORM

Wetland ID/Route #: <b>AR208A</b>	Date: <b>10/19/05</b>	Time: <b>1000</b>
Initials of Delineators: <b>(AK)</b>	Location: <b>NORTH END of Seward Rd</b>	
Roll #: <b>4</b>	Frames: <b>27, 26, 25</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CANTON NY</u> Applicant/Owner: <u>WORLDWIDE</u> Investigator: <u>AK</u>	Date: <u>10/20/05</u> County: <u>CANTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR 209A</u> Plot ID: <u>SS 1A</u>

**VEGETATION** EMERGENT WETLAND - PEM

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>2%</u> Shrub: <u>4%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>JUNCUS EFFRUSUS</u>	<u>H</u>	<u>FACW</u>	9. <u>RICE CUTGRASS</u>	<u>H</u>	<u>OBL</u>
2. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>WEE GRASS</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>PARROT TAIL GRASS</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>MELLOW SWEET</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>SPHAGNUM MOSS</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>1'</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name <b>AR209A-SS1A</b> (Series and Phase):		Drainage Class: <b>PEM</b>			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	NONE	---	<del>CLAY</del>
1-6	A	10YR 3/2	NONE	---	SANDY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <b>AUGER REFUSAL @ 6"</b> <b>0" TO WATER</b>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		Is this an Isolated Wetland?
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLETON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/08</u> County: <u>CLETON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR 209A</u> Plot ID: <u>SS2A</u>

**VEGETATION**

DECIDUOUS FOREST / MED-SUCCESSOR

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>90%</u> Shrub: <u>0</u> Herb: <u>10%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>YELLOW BIRCH</u>	<u>I</u>	<u>FAC</u>	9.		
2. <u>RED MAPLE</u>	<u>I</u>	<u>FAC</u>	10.		
3. <u>GRAY BIRCH</u>	<u>I</u>	<u>FAC</u>	11.		
4. <u>BRACKEN FERN</u>	<u>H</u>	<u>FACU</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>75%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CLETON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, IF</u>	Date: <u>10/29/08</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR209A</u> Plot ID: <u>551 B</u>

**VEGETATION** WETLAND PEMPFOI

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>15%</u> Shrub: <u>5%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RATTLELIKE GRASS</u>	<u>H</u>	<u>OBL</u>	9. <u>JUNCUS EFFUSUS</u>	<u>T</u>	<u>FACW</u>
2. <u>WILD GRASS</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>MEADOW SUBST</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>YELLOW BIRCH</u>	<u>T</u>	<u>FAC</u>	14.		
7. <u>GREY BIRCH</u>	<u>T</u>	<u>FAC</u>	15.		
8. <u>SPHAGNUM MOSS</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>UP TO 1' IN PLACES</u>  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR2/1	NONE	—	SOFT
2-6	A	10YR 6/1	NONE	—	SANDY CLAY
6-12	B	5CY1 6/564	10YR 5/6	NUM/LARGE/DIST	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: AUGER REFUSAL @ 12" 0" TO WATER					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)	
Wetlands Hydrology Present?	(Yes) No		
Hydric Soils Present?	(Yes) No		
		Is this Sample Station Point Within a Wetland?	(Yes) No
		Is this an Isolated Wetland?	Yes No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CLINTON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR209A</u> Plot ID: <u>852B</u>

**VEGETATION** DESIDUOUS FOREST / MID-SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>60%</u>	Shrub: <u>5%</u>	Herb: <u>10%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	9. <u>BUNCH BERRY</u>	<u>#</u>	<u>FAC-</u>
2. <u>STRIPED MAPLE</u>	<u>S</u>	<u>FACV</u>	10.		
3. <u>POPULUS grandidentata</u>	<u>T</u>	<u>FACU-</u>	11.		
4. <u>ROUGH LEAF GOLDENROD</u>	<u>#</u>	<u>#</u>	12.		
5. <u>BIRCH</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>WAXY LEAF ASTOR</u>	<u>#</u>	<u>UPL</u>	14.		
7. <u>BRACKEN FERN</u>	<u>#</u>	<u>FACU</u>	15.		
8. <u>KASPERRY</u>	<u>#</u>	<u>FAC-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>22%</u>					
Remarks: <u>* NOT LABELED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

ID:

**SOILS**

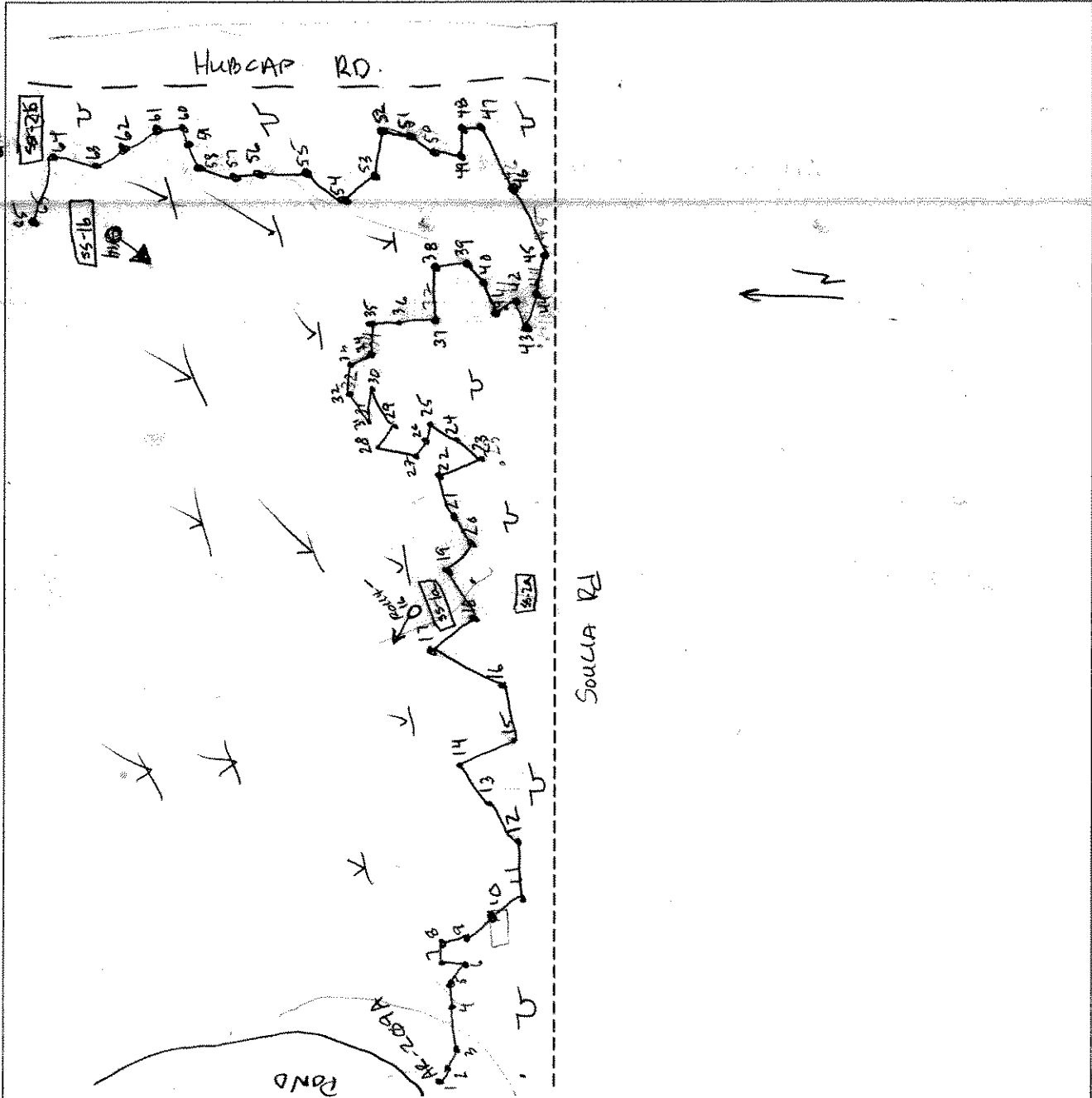
Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/4	None	—	Silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: AUGER RETURN @ 6" 5"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>		(Circle)
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
Is this Sample Station Point Within a Wetland?				Yes <input checked="" type="radio"/>
Is this an Isolated Wetland?				Yes <input checked="" type="radio"/>
Remarks				

SKETCH FORM

Wetland ID/Route #: <b>AR209A (Jaxca + Hubcap Rd)</b>	Date: <b>10-20-05</b>	Time: <b>12:00PM</b>
Initials of Delineators: <b>A.K., JF</b>	Location: <b>AR-209A</b>	
Roll #: <b>4</b>	Frames: <b>16, 14, 13</b>	<b>TEAM B</b>



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

NOT TO SCALE

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinch County</u> Applicant/Owner: <u>Worran</u> Investigator: <u>TKA, AK</u>	Date: <u>10/19/05</u> County: <u>Clinch</u> State: <u>NY</u>				
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No				
<input type="radio"/> Yes	<input checked="" type="radio"/> No				
Community ID: <u>Worran</u> Transect ID: <u>ARR101</u> Plot ID: <u>SSI</u>					

**VEGETATION**

DEMU

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>FLAT TOPPED ASTER</u>	<u>H</u>	<u>FACW</u>			
2. <u>ASTER - Iron</u>	<u>H</u>	<u>OBL</u>			
3. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>			
4. <u>JEWEL WEED</u>	<u>H</u>	<u>FACW</u>			
5. <u>TALL Golden Rod</u>	<u>H</u>	<u>FACW</u>			
6. <u>Fowl meadow grass</u>	<u>H</u>	<u>FACW</u>			
7.					
8.					
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE		SELT CLAY ORGANIC
2-6	A1	10YR 3/1	10YR 2/1	MANY, LARGE, DISTINCT	CLAY
6-12	A2	10YR 3/1	10YR 6/2	FEW, SMALL, DISTINCT	SANDY CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: **ALBER RETURN AT 12"  
10" TO WATER**

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	(Yes) No	(Circle)	(Circle)
Wetlands Hydrology Present?	(Yes) No		
Hydric Soils Present?	(Yes) No	Is this Sample Station Point Within a Wetland?	(Yes) No
		Is this an Isolated Wetland?	Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Center</u> Applicant/Owner: <u>HULBERT</u> Investigator: <u>RTN AK</u>	Date: <u>10/19/05</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UP (A1)</u> Transect ID: <u>AR210C11</u> Plot ID: <u>SS2</u>

**VEGETATION**

UPLAND FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60%</u> Shrub: <u>15%</u> Herb: <u>40%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	T/S/H	FACW	9.		
2. Green Ash	S/T/H	FACW	10.		
3. WOOD TERN	H	FAC+	11.		
4. GRASSES	S	unknown	12.		
5. CANADA FEN	H	FACW	13.		
6. CLUB MOSS	H	FAC	14.		
7. MTN ALDER	S	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>57%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

ID:

**SOILS**

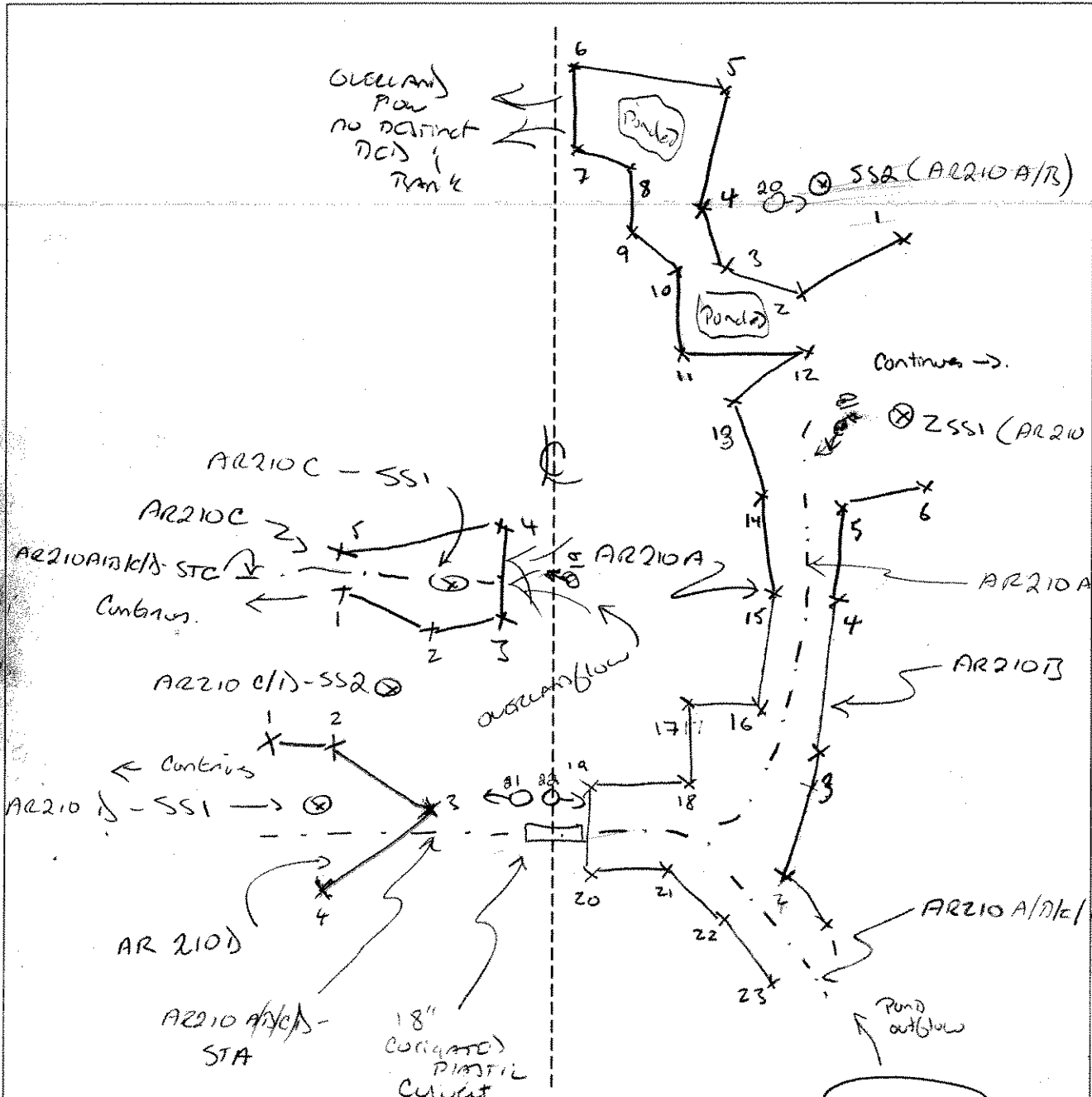
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1	None	—	ORGANIC
1-6	A	10YR 3/3	10YR 3/3	FEW COARSE LEST	SILT CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>AVOID REFUSAL @ 6"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>		Is this an Isolated Wetland?
Remarks			

SKETCH FORM

Wetland ID/Route #: AR210 A/B/C/D	Date: 10/19/05	Time:
Initials of Delineators: KST, AK	Location: EAST of TERMINUS of	
Roll #: Frames: 21, 22, 20, 19, 18, 17		ROAD



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Moran</i> Investigator: <i>RS</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>AR212A</i> Plot ID: <i>587</i>

**VEGETATION**

*PEM / PSS*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <i>40%</i> Herb: <i>85%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BASIC WILLOW</i>	<i>S</i>	<i>FACW</i>	9. <i>T. rugosus</i>	<i>H</i>	<i>FACW</i>
2. <i>STURGE BUSH</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>RED MAPLE</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>GRAY BIRCH</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>MEADOW SWIFT</i>	<i>S</i>	<i>FACW</i>	13.		
6. <i>PANICUM GRASS</i>	<i>H</i>	<i>OBL</i>	14.		
7. <i>CAREX CRINATA</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>LAKE-LEaved Galium</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>6" in places</i> Depth to Free Standing Water in Pit (in.): <i>∅</i> Depth to Saturated Soil (in.): <i>∅</i>	
Remarks:	

ID: *AR212A-WL*

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1			Silty clay loam w/ <i>veg</i>
(SD/SD) <i>(M)</i>		10YR 5/1	2.5YR 4/4	many / coarse / pow	Silty clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*Revert to Aq at 12"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	(Circle)	Is this Sample Station Point Within a Wetland?	Yes No
Wetlands Hydrology Present?	Yes No		Is this an Isolated Wetland?	Yes No
Hydric Soils Present?	Yes No			

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County</i> Applicant/Owner: <i>HUTTON</i> Investigator: <i>RTD</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <i>UPIAN1</i> Transect ID: <i>AR212A</i> Plot ID: <i>552</i>

**VEGETATION**      *UPIAN1 FOREST*

Plant Community Classification:					
Percent Canopy Cover:      Tree: <i>80%</i> Shrub: <i>50%</i> Herb: <i>50%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED maple</i>	<i>T/S/H</i>	<i>FAC</i>	9. <i>R. STORMEY'S Golden Rod</i>	<i>H</i>	<i>FAC</i>
2. <i>SORREL berry</i>	<i>T/S</i>	<i>UPL*</i>	10.		
3. <i>GRAY birch</i>	<i>T/S</i>	<i>FAC</i>	11.		
4. <i>TOOTHED ASPEN</i>	<i>T</i>	<i>FACV-</i>	12.		
5. <i>AMER. BEECH</i>	<i>S</i>	<i>FACV</i>	13.		
6. <i>BRACKEN Fern</i>	<i>H</i>	<i>FACV</i>	14.		
7. <i>club moss</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Whorled hwd. ATER</i>	<i>H</i>	<i>UPL*</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>44%</i>					
Remarks: <i>* - not listed</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks: <i>recon</i>	

AA12A-02

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>1</sub>	10YR 5/3	10YR 3/6	(Coarse) / d.st.	Silt clay loam
6-12	A <sub>2</sub>	10YR 3/3	—	—	Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

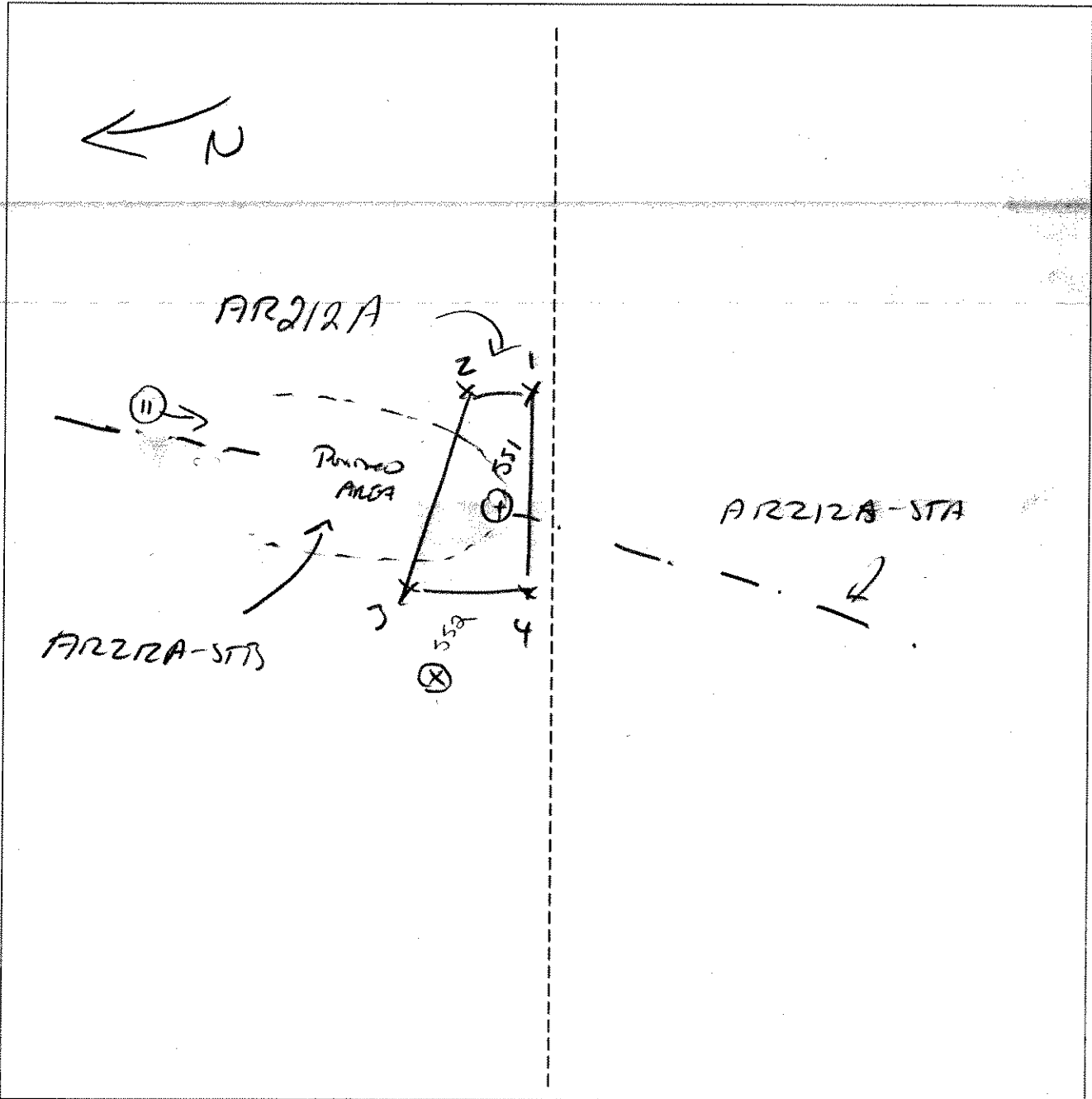
Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No

Remarks



SKETCH FORM

Wetland ID/Route #: <b>AR212A</b>	Date: <b>10/2/05</b> Time: <b>0930</b>
Initials of Delineators: <b>JAT</b>	Location: <b>MARTY LOVIN'S PROPERTY</b>
Roll #: <b>4</b> Frames: <b>11</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Huron</i> Investigator: <i>TRD</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>AR213A</i> Plot ID: <i>551</i>

**VEGETATION**

*Pem / PSS*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>30%</i> Shrub: <i>20%</i> Herb: <i>70%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>GRAY BIRCH</i>	<i>T/S</i>	<i>FAC</i>	9. <i>JL CORYNUS</i>	<i>H</i>	<i>FACW</i>
2. <i>BROOK WILLOW</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>RED MAPLE</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>CAREX CRINATA</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>FLA RUPES MIRA</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>SPAG MIRS</i>	<i>H</i>	<i>-</i>	14.		
7. <i>RESTIUM WIDE RD</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>MEADOW SWEET</i>	<i>S</i>	<i>FACW</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>8" in places</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

ID: AR013A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
1-12"	A	10YR 4/2	2.5YR 3/4	Common / MED / Dist	Silt loam
RD/SD mix		10YR 2/1			Silt loam w organic
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					
Remnant of Ayci at 12" Disturbed soils					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
			(Circle)
			Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
			Is this an Isolated Wetland? <input type="radio"/> Yes <input type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wisconsin</i> Applicant/Owner: <i>STANLEY</i> Investigator: <i>JTD</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPLANDS</i> Transect ID: <i>AR213A</i> Plot ID: <i>SS2</i>

**VEGETATION**

*UPLAND FOREST*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85%</i> Shrub: <i>40%</i> Herb: <i>30%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Am. Beech</i>	<i>T/H</i>	<i>FACV</i>	9. <i>White Birch</i>	<i>H</i>	<i>FAC</i>
2. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>Red Maple</i>	<i>S/H</i>	<i>FAC</i>	11.		
4. <i>Sugar Maple</i>	<i>S/H</i>	<i>FACV</i>	12.		
5. <i>Serotinous Hairy</i>	<i>S</i>	<i>UPL*</i>	13.		
6. <i>Whorled Wood Ash</i>	<i>H</i>	<i>UPL*</i>	14.		
7. <i>R. Stems/Golden Rod</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Wood Fern</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>53%</i>					
Remarks: <i>* Not listed</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

ID: AR213A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 3/3	—	—	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		(Circle)
Hydric Soils Present?	Yes	No		
			Is this Sample Station Point Within a Wetland?	Yes No
			Is this an Isolated Wetland?	Yes No
Remarks				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton County Wind Farm</i> Applicant/Owner: <i>Hueron</i> Investigator: <i>[Signature]</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: <i>AR213 B/C</i> Plot ID: <i>SS2</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>50%</i> Shrub: <i>35%</i> Herb: <i>40%</i> Vine: <i>X</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>TIS</i>	<i>FAC</i>	9.		
2. <i>Black Cherry</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Red maple</i>	<i>TIS</i>	<i>FAC</i>	11.		
4. <i>Wood Fern</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Whorled wood Aster</i>	<i>H</i>	<i>UPL*</i>	13.		
6. <i>R. Goldenrod</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Club moss</i>	<i>H</i>	<i>FAC</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>71%</i>					
Remarks: <i>X NUTGISTOS</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

ID: AR213WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
1-10	A	10YR 2/3	—	—	COAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)		
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes No
				Is this an Isolated Wetland?	Yes No
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Winistpan</i> Applicant/Owner: <i>MURTON</i> Investigator: <i>TAT</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <i>WELAND</i> Transect ID: <i>AR2133</i> Plot ID: <i>561</i>	

**VEGETATION**

*PEN / PFO*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>25%</i> Shrub: <i>10%</i> Herb: <i>85%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>ALEX CRINATA</i>	<i>H</i>	<i>OBL</i>	10.		
3. <i>R.S. Goldenrod</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>SPHAGNUM MOSS</i>	<i>H</i>	<i>-</i>	12.		
5. <i>MEADOW Sweet</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>RED maple</i>	<i>T/S</i>	<i>FAC</i>	14.		
7. <i>YELLOW Birch</i>	<i>T</i>	<i>FAC</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>8" in places</i> Depth to Free Standing Water in Pit (in.): <i>∅</i> Depth to Saturated Soil (in.): <i>∅</i>	
Remarks:	





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: Clinton County / <del>Ellenburg</del> Applicant/Owner: <del>Horizon Renewable Energy</del> Investigator: <u>TAL</u>	Date: <u>10/21/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR213C</u> Plot ID: <u>551</u>

**VEGETATION** Pem w/ some shrub species

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 0 Shrub: 10% Herb: 75% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Black Willow</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Purple Stemmed Aster</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>Carex crinita</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>G. Stemmed G. Pod</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>ANCE-LEAF Willow</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>MIAD Willow</u>	<u>S</u>	<u>FACT</u>	15.		
8. <u>Large leaved Willow</u>	<u>H</u>	<u>FAC</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>12" in places</u>  Depth to Free Standing Water in Pit (in.): <u>0</u>  Depth to Saturated Soil (in.): <u>0</u>	Remarks:

AR 213C

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4"	A	10YR 2/1	-	=	SILT LOAM w/ ORGANICS
4-8	B	10YR 4/2	-	=	SILTY CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:  
REFUSAL OF MUCER @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland? (Circle) Yes No

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County, Windsor</i> Applicant/Owner: <i>Hunter</i> Investigator: <i>(ICV)</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>WERANI</i> Transect ID: <i>FR214A</i> Plot ID: <i>551</i>

**VEGETATION**

*PSS.*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <i>70%</i>	Herb: <i>80%</i>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Black willow</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Silky willow</i>	<i>S</i>	<i>OBL</i>	10.		
3. <i>Tall Goldenrod</i>	<i>H</i>	<i>FACV</i>	11.		
4. <i>J. Ely</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Pink Spotted Aster</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW</i>	14.		
7. <i>Red Meadow Grass</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Small White Aster</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>88%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>&gt;10"</i>  Depth to Saturated Soil (in.): <i>Ø</i>	
Remarks:	

ID: AR214A-WL

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/2			Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)  Is this Sample Station Point Within a Wetland? Is this an Isolated Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No		Yes	No
Hydric Soils Present?	Yes	No		Yes	No
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County</i> Applicant/Owner: <i>Herman</i> Investigator: <i>(DAD)</i>	Date: <i>10/21/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: <i>AR014A</i> Plot ID: <i>SSQ</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>DATA IDENTICAL to AR213B/C</i> <i>SSQ</i>					

**HYDROLOGY**

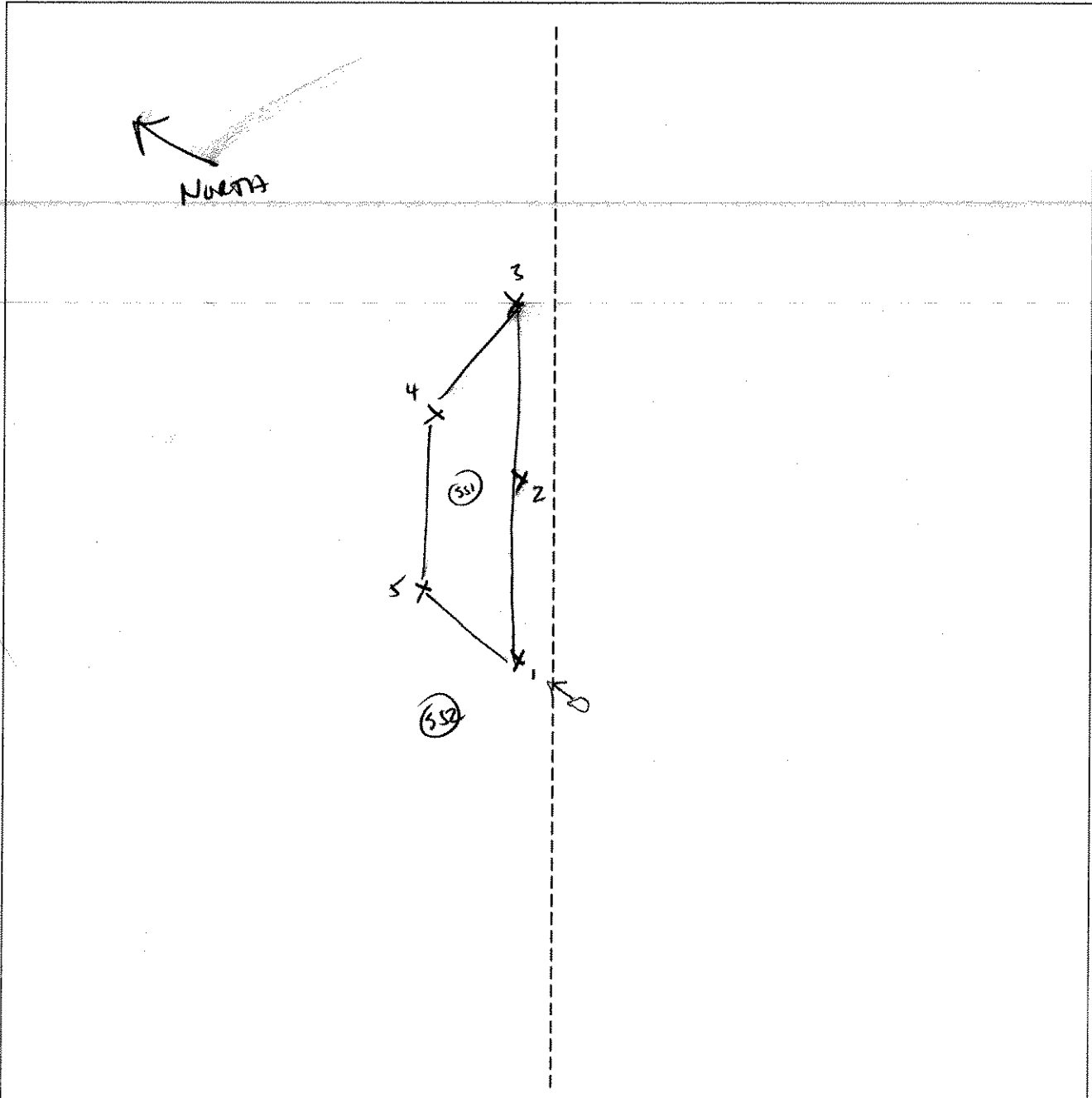
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	





SKETCH FORM

Wetland ID/Route #: <u>ARR14 A</u>	Date: <u>10/21/05</u> Time: <u>1440</u>
Initials of Delineators: <u>(JRP)</u>	Location: <u>MARY Lavin's PROPERTY</u>
Roll #: <u>4</u> Frames: <u>7</u>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wadsworth</i>	Date: <i>10/24/05</i>						
Applicant/Owner: <i>H. Wadsworth</i>	County: <i>Clinton</i>						
Investigator: <i>RJD, KH</i>	State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
	Community ID: <i>WETLAND</i> Transect ID: <i>AL218A/B</i> Plot ID: <i>551</i>						

**VEGETATION**

*PEU*

Plant Community Classification:					
Percent Canopy Cover:		Tree: $\emptyset$	Shrub: <i>50%</i>	Herb: <i>10%</i>	Vine: $\emptyset$
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grey Birch</i>	<i>S</i>	<i>FAC</i>	9. <i>LARGE (COW) GR</i>	<i>H</i>	<i>FAC</i>
2. <i>TRAIL-SWAMP GRASS</i>	<i>H</i>	<i>OBL</i>	10. <i>SP-FLAG MARS</i>	<i>H</i>	<i>-</i>
3. <i>BURDETT</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>CAREX CRINITA</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>FLAT WOODS ASTOR</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>STEEPLE TUSH</i>	<i>S</i>	<i>FACW</i>	14.		
7. <i>STUCKY CYLINDRUS</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>R.S. GULFLEAF</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>8" in places</i> Depth to Free Standing Water in Pit (in.): $\emptyset$ Depth to Saturated Soil (in.): $\emptyset$	
Remarks:	

WCT

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR2/1	—	—	SANDY LOAM

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 REFUSAL of Aqa AT 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project Site: <u>Clinton County Wind Farm</u> Applicant/Owner: <u>Holtan</u> Investigator: <u>RMS KH</u>	Date: <u>10/24/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPTAM</u> Transect ID: <u>AE218A1B</u> Plot ID: <u>552</u>

**VEGETATION**

Access Rd. (Upper Mid-Successional)

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>40%</u>	Herb: <u>90%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>Club moss</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>R. Goldenrod</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>TRAILING TERN</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>TRAILING</u>	<u>S</u>	<u>FACU</u>	13.		
6. <u>STEEPLE TUSH</u>	<u>S</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

UP

**SOILS**

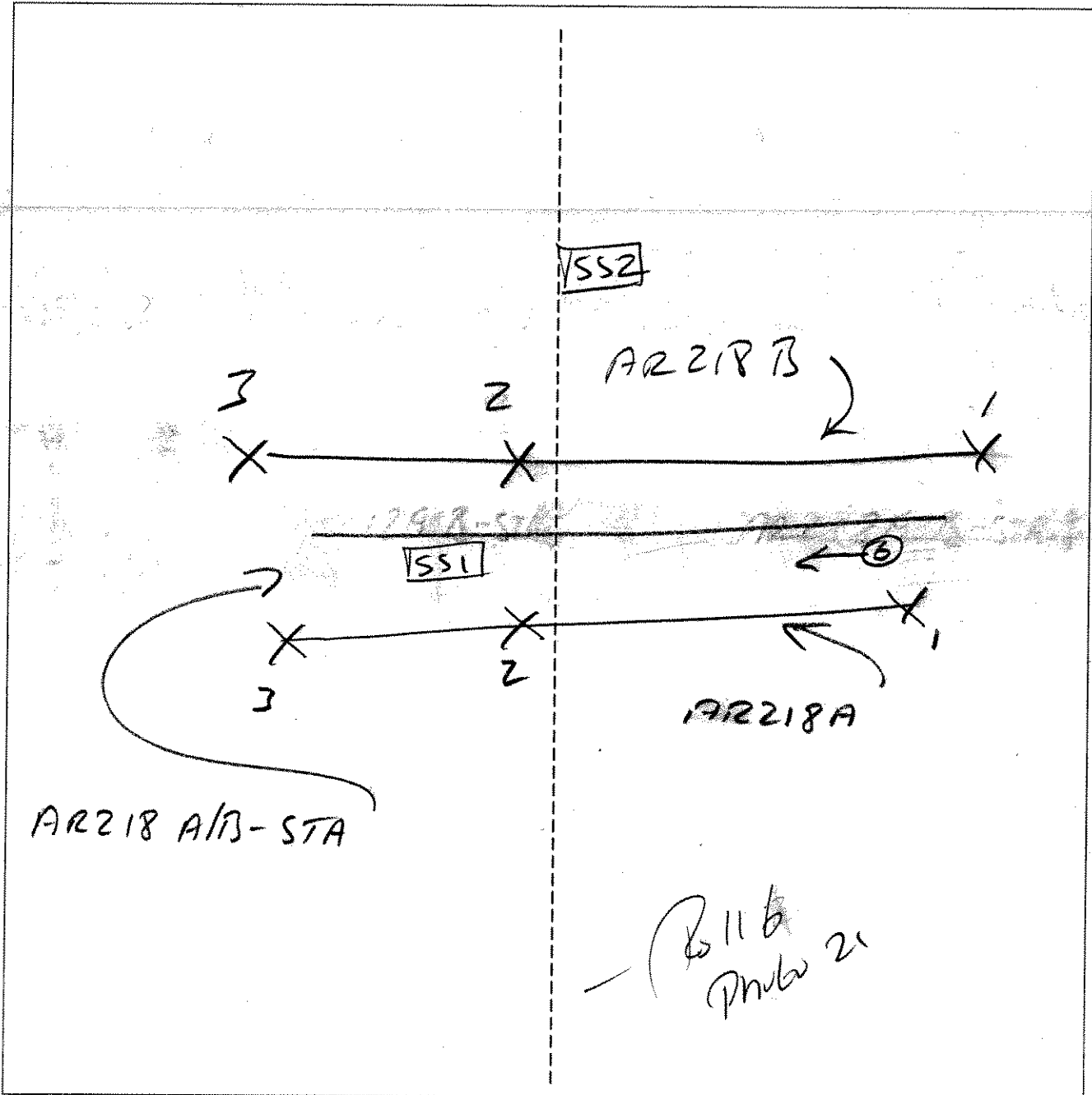
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR4/2	—	—	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Disturbed Area.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	No		
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes No
Remarks				

SKETCH FORM

Wetland ID/Route #: <b>AR218 A/B</b>	Date: <b>10/24/05</b> Time: <b>1150</b>
Initials of Delineators: <b>RAJ KIT</b>	Location: <b>Hubcap Rd. MARY LARVIN'S PROPERTY</b>
Roll #: _____ Frames: _____	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

AR218B EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>AR210B</u> Transect ID: Plot ID: <u>PFO1 AR947A SS1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>100</u>	Shrub: <u>30</u>	Herb: <u>60</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Chauliophora</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Ash sp</u>	<u>SAP</u>	<u>-</u>	11.		
4. <u>Fraxinus canadensis</u>	<u>H</u>		12.		
5. <u>Sphagnum mosses</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Ornithogalum americanum</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>6"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/10/07  
 Community ID: wetland 551  
 Plot ID: AR218B  
 AR947A 551

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1			silt
4-12	A	10YR 2/2	7.5YR 3/4	light, common, fine	clay / ram
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: refusal @ ≤ 12", saturation @ 0", water in pit @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks mapped NW1 SW1 9 = E area has been disturbed. Pits throughout 551.			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV NP</i>	Date: <i>5/10/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPL</i> Transect ID: Plot ID: <i>AR 210A SS2</i> <div style="text-align: right; font-size: 1.2em;"><i>AR 947A</i></div>

**VEGETATION**

Plant Community Classification: <i>Mixed deciduous</i> Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>30</i> Herb: <i>65</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	T	FAC	9.		
2. <i>Red maple</i>	T	FAC	10.		
3. <i>Red maple</i>	S	FAC	11.		
4. <i>hobble bush</i>	S	FACU	12.		
5. <i>Sparganium angustifolium</i>	H	FAC	13.		
6. <i>Whorled wood aster</i>	H	FAC	14.		
7. <i>Erythronium americanum</i>		FAC	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>&gt;50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/10/07  
 Community ID: UPL  
 Plot ID: AR 021 A 88a  
 AR 947 A

**SOILS**

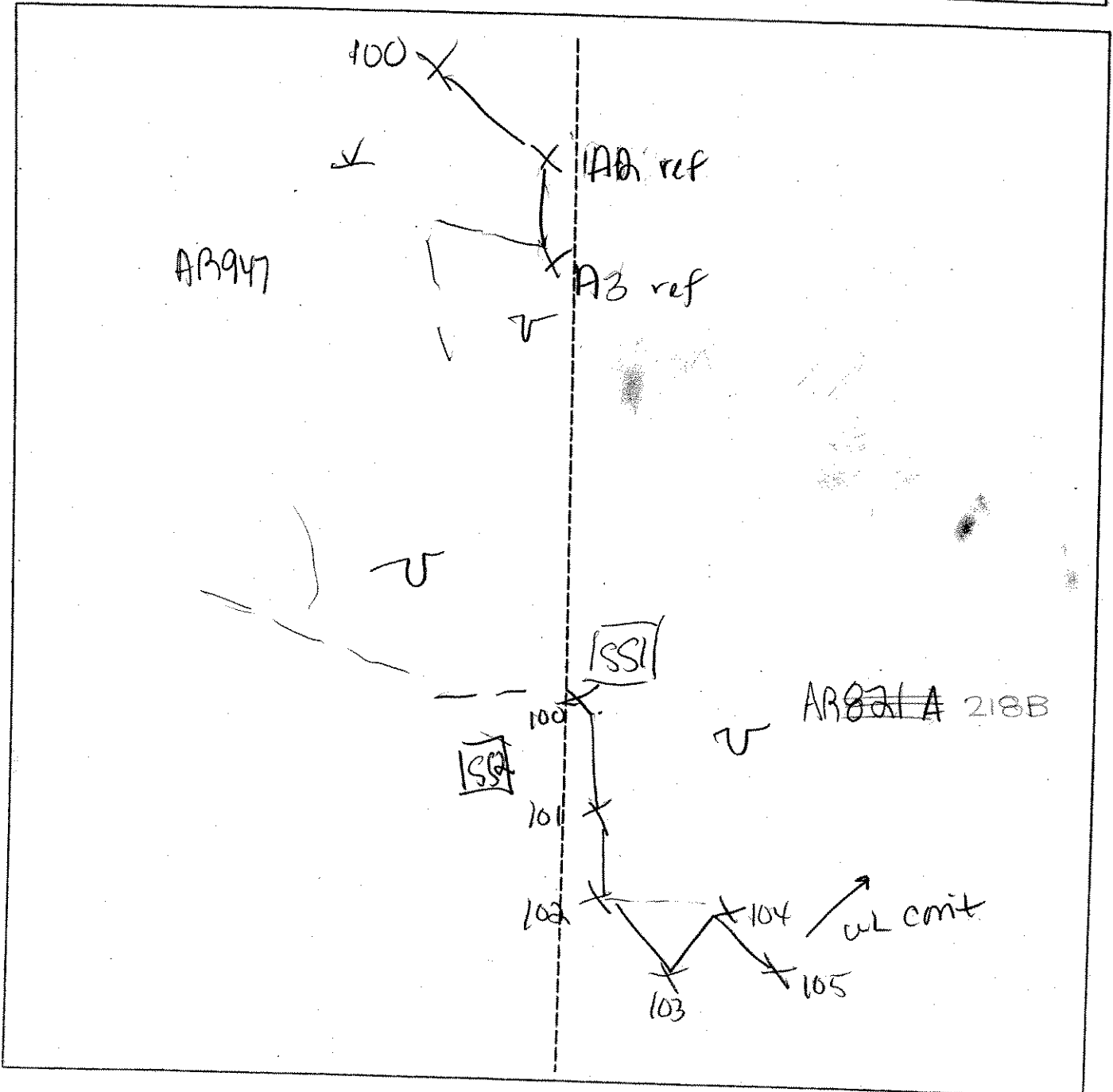
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	a	10YR 2/1			sandy clay loam
4-12	A	7.5YR 5/2	7.5YR 3/1	part, fine, fine	sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: soil sandy; dry, crumbles easily					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AB218B + AR947A</b>		Date: <b>5/10/07</b>	Time:
Initials of Delineators: <b>JV AP</b>		Location: <b>T. 106</b>	
Roll #:	Frames:		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Line Extension

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>TRD</u>	Date: <u>5/24/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR218 A13</u> Plot ID: <u>SS4</u>

**VEGETATION**

UPLAND Decid Forest

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>85%</u>	Shrub: <u>35%</u>	Herb: <u>35%</u>	Vine: <u>0%</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. BRAVER FERN	H	FACU	9. Large Sedges	H	
2. Arrowweed	H	FAC-	10. (showy?)		
3. Club moss	H	FAC	11.		
4. Tree maple	T/S	FAC	12.		
5. Striped maple	S	FACU	13.		
6. Green Sycamore	T/S	FACU	14.		
7. Woods Fern	H	FACU	15.		
8. Green Herb	T/S	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>3/12 = 25%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5/24/07  
 Community ID: UPLAND  
 Plot ID: AR218A/B-SS4

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	D	10YR2/2	—	—	ORGANICS
4-18	A	7.5YR 2.5/2	—	—	Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks \_\_\_\_\_

Line Extension

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>TAD</u>	Date: <u>5/27/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR218A13</u> Plot ID: <u>SS3</u>

**VEGETATION** PEN Associated w/ int. stream

Plant Community Classification: _____					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>25%</u>	Herb: <u>90%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>meadow sedge</u>	<u>S</u>	<u>FAC+</u>	10.		
3. <u>Aspen sp</u>	<u>H</u>		11.		
4. <u>Spruce</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Quercus sp</u>	<u>H</u>		13.		
6. <u>Sensitive fern</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Wood fern</u>	<u>H</u>	<u>FACU</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/7 = 57%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>8"</u> Depth to Saturated Soil (in.): <u>0'</u>	
Remarks:	

Date: 5/24/07  
 Community ID: wetland  
 Plot ID: R218A13-SS3

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR 4/1	—	—	Silty Clay Ball**

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input checked="" type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input checked="" type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \* Rejection of Age as 8" \*\* w/organic

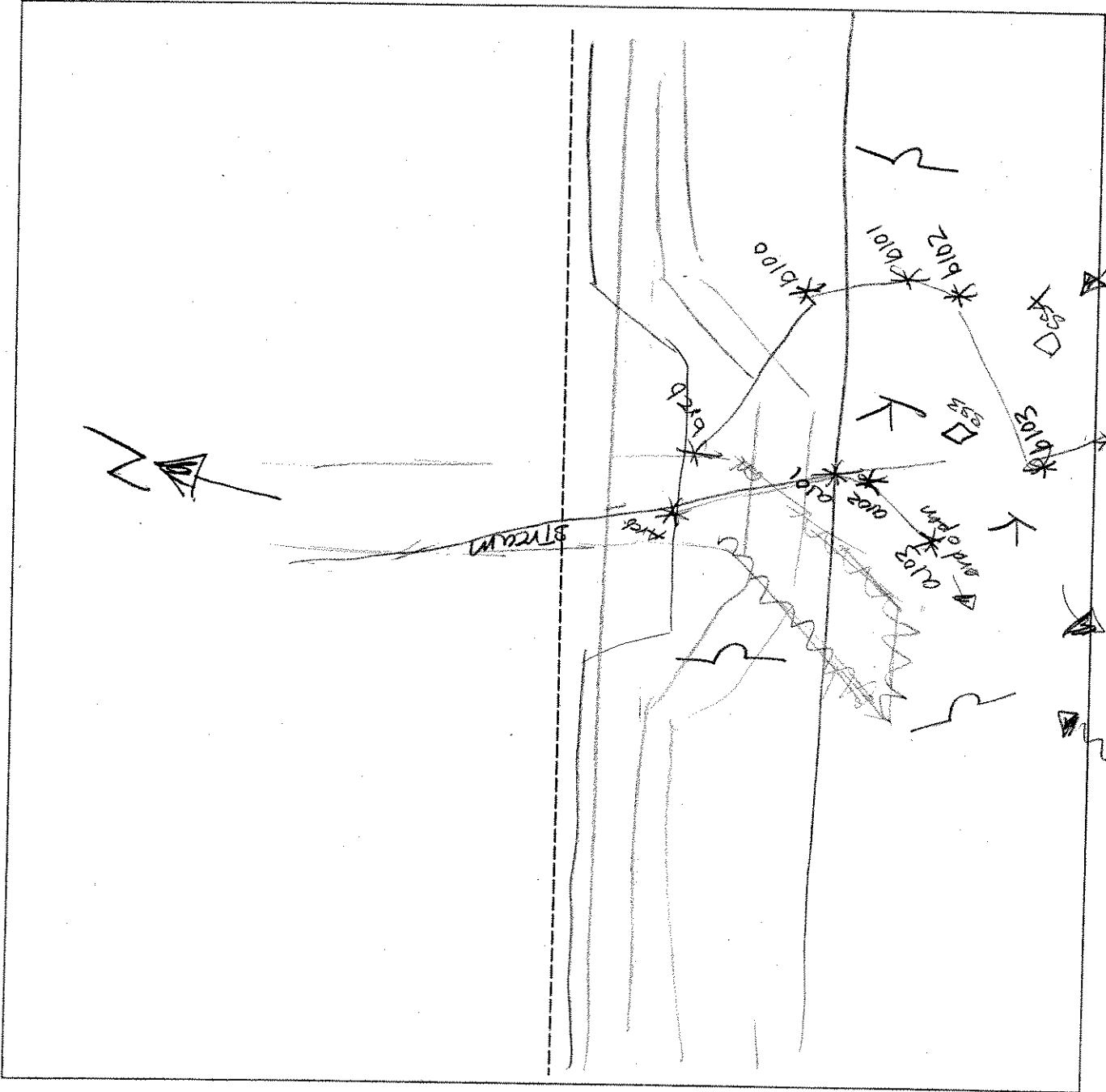
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR218 A/B</b>	Date: <b>5/24/07</b>	Time:
Initials of Delineators: <b>RD AP</b>	Location:	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD JV	Date: 10/26/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;"><del>No</del></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;"><del>No</del></span> (If needed, explain on reverse.)	Community ID: PFO4 Transect ID: Plot ID: AR350-AB-2-SS

**VEGETATION**

Plant Community Classification: PFO4					
Percent Canopy Cover: Tree: 75 Shrub: 5-10 Herb: 75 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. rubrum</i>	T	FAC	9. <i>Aster sp</i>	H	—
2. <i>A. rubrum</i>	S	FAC	10. <i>Onoclea sensibilis</i>	H	FACW
3. <i>Spirea latifolia</i>	H	EACT	11.		
4. <i>Equisetum</i>	H	OBL	12.		
5. <i>Carex sp</i>	H	—	13.		
6. <i>Scirpus sp</i>	H	—	14.		
7. <i>J. effusus</i>	H	FACW	15.		
8. <i>Solidago sp</i>	H	—	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: Ulmus					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: Hydro observed to W and S.	

Date: 10/26/06  
 Community ID: PFO4  
 Plot ID: AR35D-A 1P 4-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 4/1	5YR 4/6	few/med/prom	Silty Clay
4-9	B <sub>1</sub>	10YR 5/2	10YR 4/6	com/med/dist	Clay w/sand
9-12	B <sub>2</sub>	10YR 5/2	10YR 5/6	many/med/dist	Clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

⇒ S

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD JV	Date: 10/26/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR360-A/B-SS2

**VEGETATION**

Plant Community Classification: *Mid successional roadside*

Percent Canopy Cover: Tree: *0* Shrub: *50* Herb: *25* Veg: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. rubrum</i>	S	FAC	9.		
2. <i>Alnus incana</i>	S	FACW	10.		
3. <i>A. balsamea</i>	S	FAC	11.		
4. <i>Spina latifolia</i>	S	FAC+	12.		
5. <i>Rhamnus</i>	S	-	13.		
6. <i>Solidago sp</i>	H	-	14.		
7. <i>Woodwardia</i>	H	-	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *4/4 = 100%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NONE</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/26/06  
 Community ID: UPL  
 Plot ID: AR 350-A/B-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/1			Silt loam
4-8	B <sub>1</sub>	10YR 3/2			Silt clay loam
8-18	B <sub>2</sub>	10YR 4/3			Silt clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

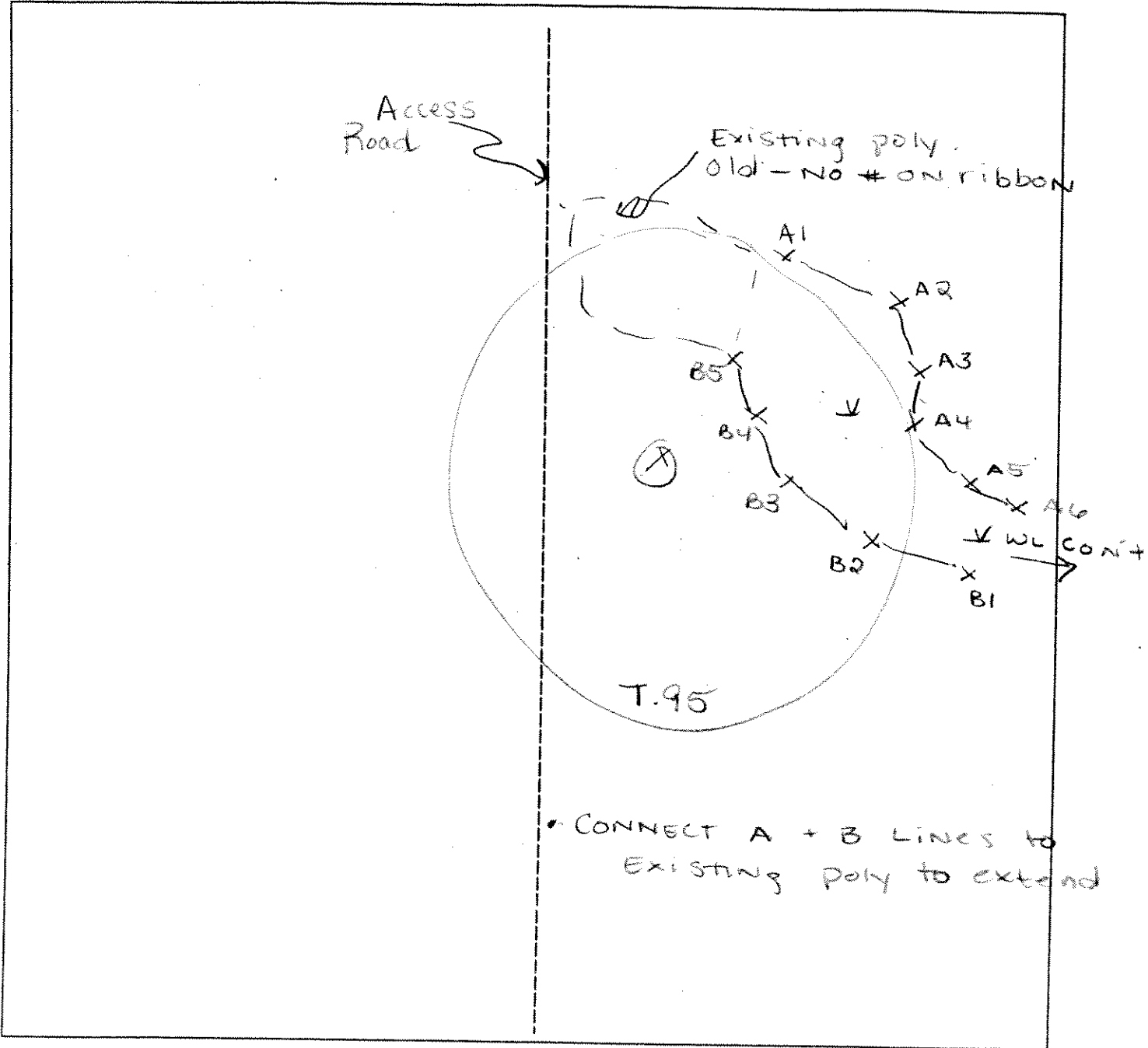
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AK370 A/B</b>	Date: <b>12/20/06</b>	Time: <b>1600</b>
Intials of Delineators: <b>RD JV</b>	Location: <b>T.95</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Community ID: PFO4 Transect ID: Plot ID: AR370 A SSI	

**VEGETATION**

Plant Community Classification: Spruce/Fir  
Percent Canopy Cover: Tree: Shrub: Herb: Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2.			10.		
3. <i>Pinus rugosa</i>	S	FACW	11.		
4. <i>Spirea tomentosa</i>	S	FACW	12.		
5. <i>Salix ferruginea</i>	S	FACW	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%.

Remarks: plant species listed not by dominance. Identified plant presence by stumps and twigs with leaflets.

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated in spots</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): 1" in spots</p> <p>Depth to Free Standing Water in Pit (in.): 0"</p> <p>Depth to Saturated Soil (in.): 0"</p>	
<p>Remarks: Area has recently (w/i months) been logged. Hydrology is still influenced by topography. Field drains to SE into delineated area which discharges down very steep grades approx. 450' from last delineated point.</p>	

Date: 5/3/07  
 Community ID: PFO4  
 Plot ID: AR370-A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	5YR 2.5/1	-	-	silty
2-10	A	5YR 3/1	-	-	silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
Wetland drains SE. General site topography exists/not influenced by logging.			
Flushed Flicker from nest.			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input type="radio"/> No
Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: AR370 A 552							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 25% Shrub: 15% Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2. <i>Betula pumila</i>	T	FAC	10.		
3. <i>Abies balsamea</i>	T	FAC	11.		
4. <i>Theracium</i> sp	H	UPL	12.		
5. <i>Rubus</i> sp	H	UPL	13.		
6. <i>Aster</i> sp.	H		14.		
7. <i>Hamamelis</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



Date: 3 May 07  
 Community ID: AF04  
 Plot ID: AR 370-ASS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	5YR 2.5/2			silt loam
2-14	A	5YR 3/2	7.5YR 4/2	common/med/dist.	clay

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

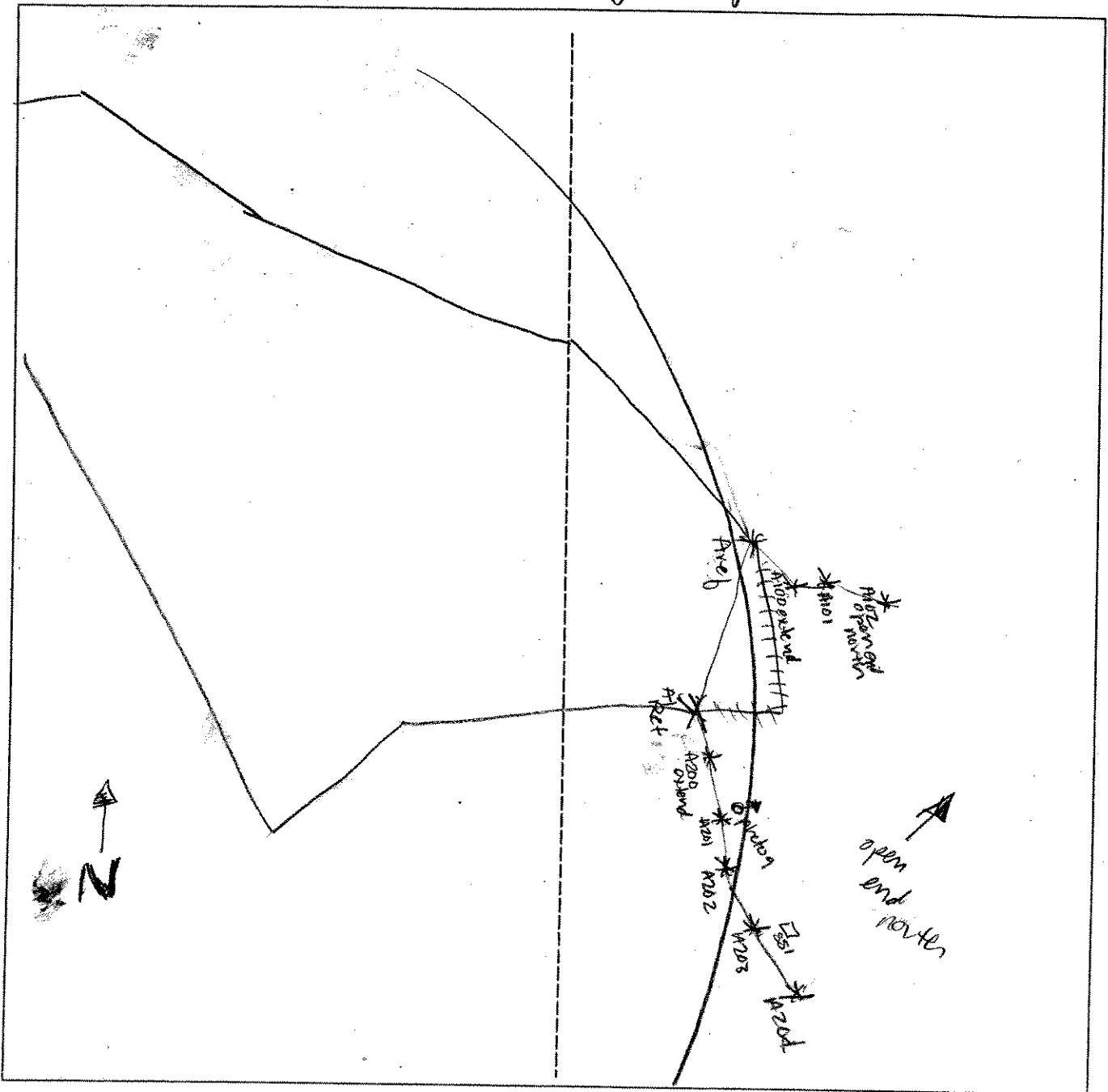
Is this Sample Station Point Within a Wetland? Yes No

Remarks

Flicker flushed from nest flapping around site

SKETCH FORM

Wetland ID/Route #: <b>AR370 A EXT</b>	Date: <b>3 May 07</b>	Time:
Initials of Delineators: <b>JV &amp; AP</b>	Location: <b>AR370-A</b>	
Roll #:	Frames: <b>photo 9 by A201 facing East</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-21-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR028A - SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO1</u>					
Percent Canopy Cover: Tree: <u>35%</u> Shrub: <u>35%</u> Herb: <u>45%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Maple</u>	<u>T/S/H</u>	<u>FAC</u>	9.		
2. <u>S. Maple</u>	<u>T/S/H</u>	<u>FACU</u>	10.		
3. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Carex sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Mary Flower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>N.W. Cedar *</u>	<u>H</u>	<u>OPX</u>	15.		
8. <u>Bir Spruce</u>	<u>S</u>	<u>FACU-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>* only (1) seedling observed</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>up to 2" +</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	-Buttressed tree trunks
Remarks:	

Date: 5-21-06  
 Community ID: Wetland  
 Plot ID: AR028A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-2/1	—	—	Silt loam w/organics
4-10	B	10YR-6/3	—	—	Sandy Loam
10-18	B <sub>2</sub>	10YR-6/3	Gley 25/10Bg	Common/Med/Distinct	Sandy Loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
Photo 3 =>			
Isolated wetland feature			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD</u>	Date: <u>5-21-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR828A-SSA</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous Forest</u>					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>75%</u> Herb: <u>10%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. K. Maple	T/S/H	FAC	9.		
2. S. Maple	T/S	FAC	10.		
3. B. Spruce	S	FACU-	11.		
4. Tree Club Moss	H	FACU	12.		
5. Mail Flower	H	FAC-	13.		
6. Trout Lily	H	FAC	14.		
7. Wood Fern	H	FAC+	15.		
8. Am. Beech	S	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>44%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-21-06  
 Community ID: Upland  
 Plot ID: AR828A-552

**SOILS**

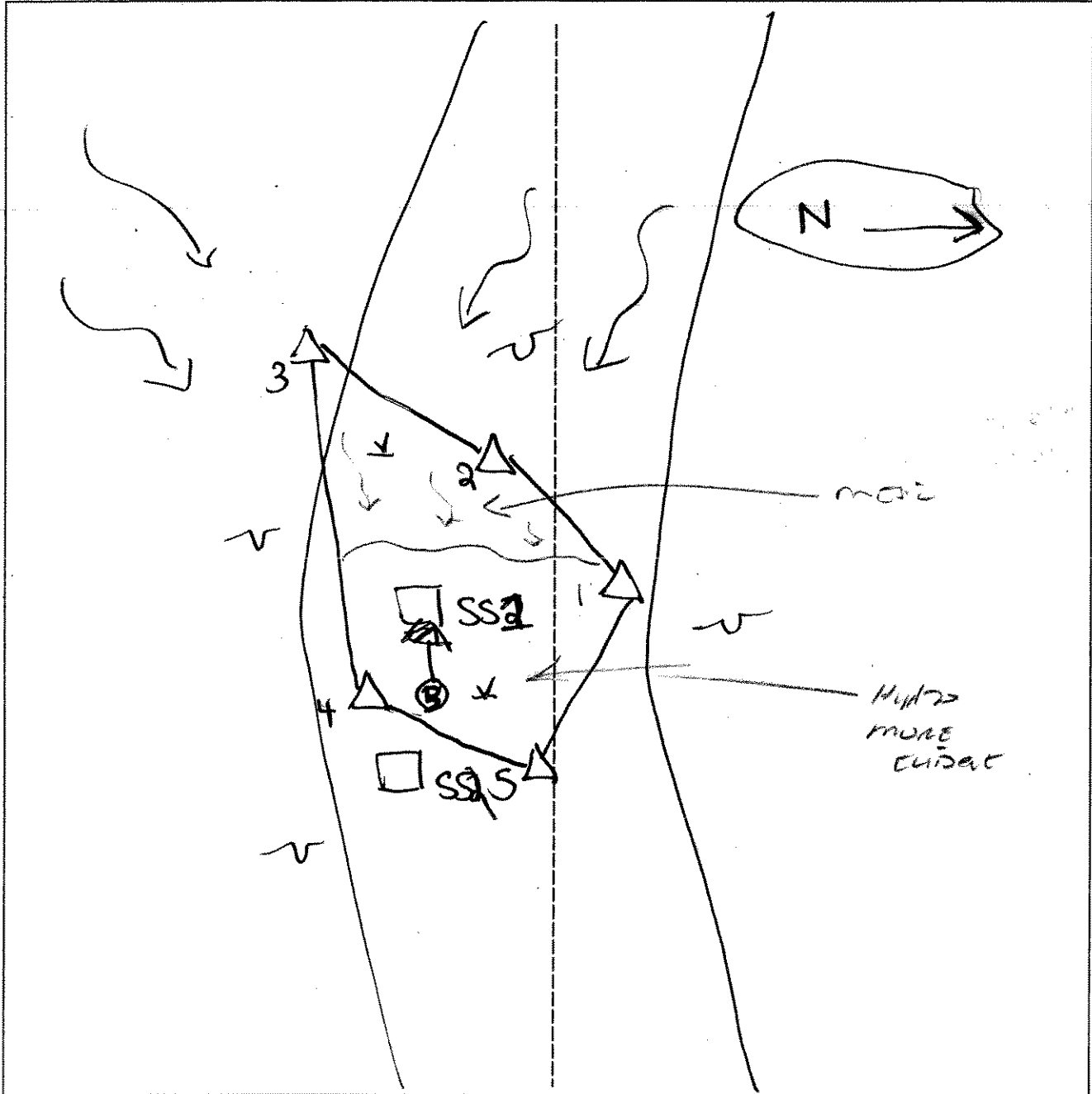
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	D	5YR-3/3			Organics
2-4	A	10YR-2/1			Silt loam
4-7	E	7.5YR-5/3			Sandy loam
7-14	B	7.5YR-3/4			Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal @ 14"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		

SKETCH FORM

Wetland ID/Route #: <b>AR 828A</b>	Date: <b>5-21-06</b>	Time:
Initials of Delineators: <b>RJD JV</b>	Location: <b>Access Road to WTB 203 + 12</b>	
Roll #: <b>3</b>	Frames: <b>⇒ E @ SSI</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AR 852

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-20-00</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>ARB25B-SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO1</u>					
Percent Canopy Cover: Tree: <u>55%</u> Shrub: <u>40%</u> Herb: <u>45%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Mayflower</u>	<u>H</u>	<u>FAC-</u>
2. <u>B. Birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>A. Aspen</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Bk Spruce</u>	<u>T</u>	<u>FACU-</u>	12.		
5. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	13.		
6. <u>Service Berry</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>Carex sp.</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-) <u>46%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>10" in spots</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Butressed tree trunks</u>	



Date: 5-20-06  
 Community ID: Wetland  
 Plot ID: R825A-SSI

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A <sub>1</sub>	10YR 2/1			SH loam w/ organic
4-10	A <sub>2</sub>	10YR 5/2	7MIX		sandy clay loam
		10YR 6/2			

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: 4-10" includes streaking  
 Refusal @ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks  
 2 -> NW c SSI  
 DEC wetland

AR 852

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RTD CV</u>	Date: <u>5-20-06</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;">Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;">Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input type="radio"/> No						
Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR0258-SS2</u>							

**VEGETATION**

Plant Community Classification: <u>Deciduous Forested w/ Scattered Conifers</u>					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>50%</u> Herb: <u>45%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Maple</u>	<u>T/S/H</u>	<u>FAC</u>	9. <u>Tree Clubmoss</u>	<u>H</u>	<u>FACU</u>
2. <u>G. Birch</u>	<u>T</u>	<u>FAC</u>	10. <u>B. Fir</u>	<u>S</u>	<u>FAC</u>
3. <u>American Beech</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>A. Aspen</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Mallow</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Cherry - BK</u>	<u>IF</u>	<u>FACU</u>	15.		
8. <u>Trailing Clubmoss</u>	<u>IF</u>	<u>FACU-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p>	
Remarks:	

877 814

Date: 8-20-06  
 Community ID: UGrand  
 Plot ID: AR825B-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR-2/1	-	-	Silt loam w/ organics
3-7	B <sub>1</sub>	7.5YR-5/2	-	-	Sandy clay loam
7-14	B <sub>2</sub>	7.5YR-4/6	-	-	Silty clay

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Refusal @ 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

AR 852

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble America</u> Investigator: <u>RJD JV</u>	Date: <u>5-20-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR0201/BSS1</u>

**VEGETATION**

Plant Community Classification: <u>OP01</u> Percent Canopy Cover: Tree: <u>65%</u> , Shrub: <u>75%</u> , Herb: <u>60%</u> , Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>G. Huth Aspen</u>	<u>T/S</u>	<u>FACU-</u>	9. <u>Partridgeberry</u>	<u>H</u>	<u>FACU</u>
2. <u>R. Maple</u>	<u>T</u>	<u>FAC</u>	10. <u>mess sp.</u>	<u>H</u>	<u>-</u>
3. <u>Ash</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>DOGWOOD sp</u>	<u>S</u>	<u>-</u>	12.		
5. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Sensitive Fern</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Carex sp</u>	<u>H</u>	<u>-</u>	15.		
8. <u>front lily</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p><input checked="" type="checkbox"/> ___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
Field Observations:	
Depth of Surface Water (in.): <u>NO<sup>VI</sup> in cross-section</u>	Depth to Free Standing Water in Pit (in.): <u>0</u>
Depth to Saturated Soil (in.): <u>0</u>	Remarks:

Date: 5-20-06  
 Community ID: Wetland  
 Plot ID: AR826A/BSSJ

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR-3/2			Silty clay loam
10-18	B	10YR-6/3	7.5YR-5/6	Common / med / dist	Sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

<input checked="" type="checkbox"/> Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Wetlands Hydrology Present? <input checked="" type="checkbox"/> Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks mesic areas prevalent photo 4 => NE SSI		

AR 852

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJM JV</u>	Date: <u>5-20-06</u> County: <u>Cinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 852-AB-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Forest</u>					
Percent Canopy Cover: Tree: <u>70%</u> , Shrub: <u>30%</u> , Herb: <u>35%</u> , Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>B. Elm</u>	<u>S</u>	<u>FAC</u>
2. <u>C. Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>S. Sycamore</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Am. Beech</u>	<u>S</u>	<u>PACU</u>	12.		
5. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Mossy Flower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Wood Fern</u>	<u>H</u>	<u>FAC+</u>	15.		
8. <u>Trillium</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p>	
Remarks:	

27834

Date: 5-20-06  
 Community ID: upland  
 Plot ID: AR 82601B-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-3/2	=	=	Silty clay loam
8-18	B	7.5YR-3/3	=	=	Silty clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input checked="" type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

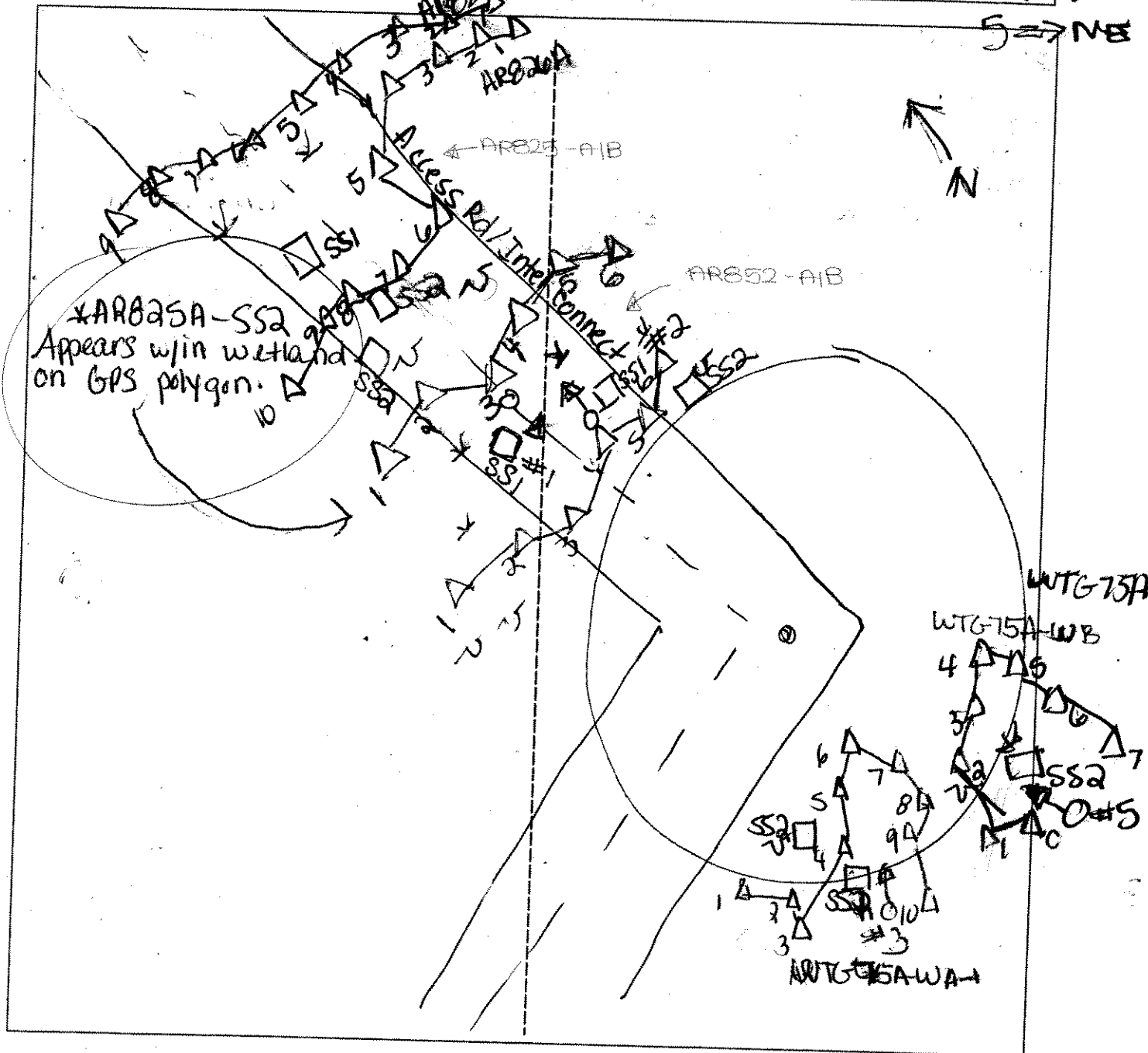
Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: \_\_\_\_\_

SKETCH FORM

AR 852

Wetland ID/Route # <del>AR825A/B, AR825WB, WTG-75WB</del>		Date: 5-20-06	Time:
Initials of Delineators:		Location: Access Rd / Interconnect to turbine 75A-W	
Roll #:	Frames: 1 => SW e SS1/6B      2 => NW c SS1      3 => E c SS1      4 => NW		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR852 AB EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/6/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: WT651-A / AR852-5

AR852-AB BSI

**VEGETATION**

Plant Community Classification: Red maple Mesic					
Percent Canopy Cover: Tree: 70 Shrub: 05 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Sphagnum moss</i> ~50%	H	OBL
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Fraxinus</i> sp.	T	-	11.		
4. <i>Abies bicolor</i>	S	FAC	12.		
5. <i>Viburnum lentago</i>	S	FAC	13.		
6. <i>Betula populifolia</i>	S	FAC	14.		
7. <i>Erythronium americanum</i>	H	FAC	15.		
8. <i>Allyrium selyi</i> Fern	H	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): 6" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/6/07  
 Community ID: PFD  
 Plot ID: WTG 51-A / AREA 5  
 AB 852-AB SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-2	O	10YR 2/1			organics
2-5	A	10YR 2/1			silt
5-9	B <sub>1</sub>	10YR 3/2			silt
9-11	B <sub>2</sub>	10YR 3/4	2.5Y 4/1	common, med. dist.	silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks DEC WL  
 Although Area is significantly disturbed due to recent logging, local topograph slopes into WL from the N.  
 Heard woodpecker tapping tree w/ WL  
 photo 1-5

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/7/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>WTC 51/AR 825</i>

*AR 850-AB 552*  
EXT

**VEGETATION**

Plant Community Classification: <i>Logged Deciduous woods</i>					
Percent Canopy Cover: Tree: <i>35</i> Shrub: <i>20</i> Herb: <i>25</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Fraxinus</i> sp	<i>T</i>	<i>—</i>	10.		
3. <i>A. rubrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Viburnum lentago</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Erythronium americanum</i>	<i>H</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>&gt;50 %</i>					
Remarks: <i>cannot i.d species b/c time of year</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/6/07  
 Community ID: UPL  
 Plot ID: WT651A/AB025  
 AB052AB

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: SS2  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	Structure, etc.
0-12	A	10YR 2/1			Silt loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: 50% root /organics in top 4"

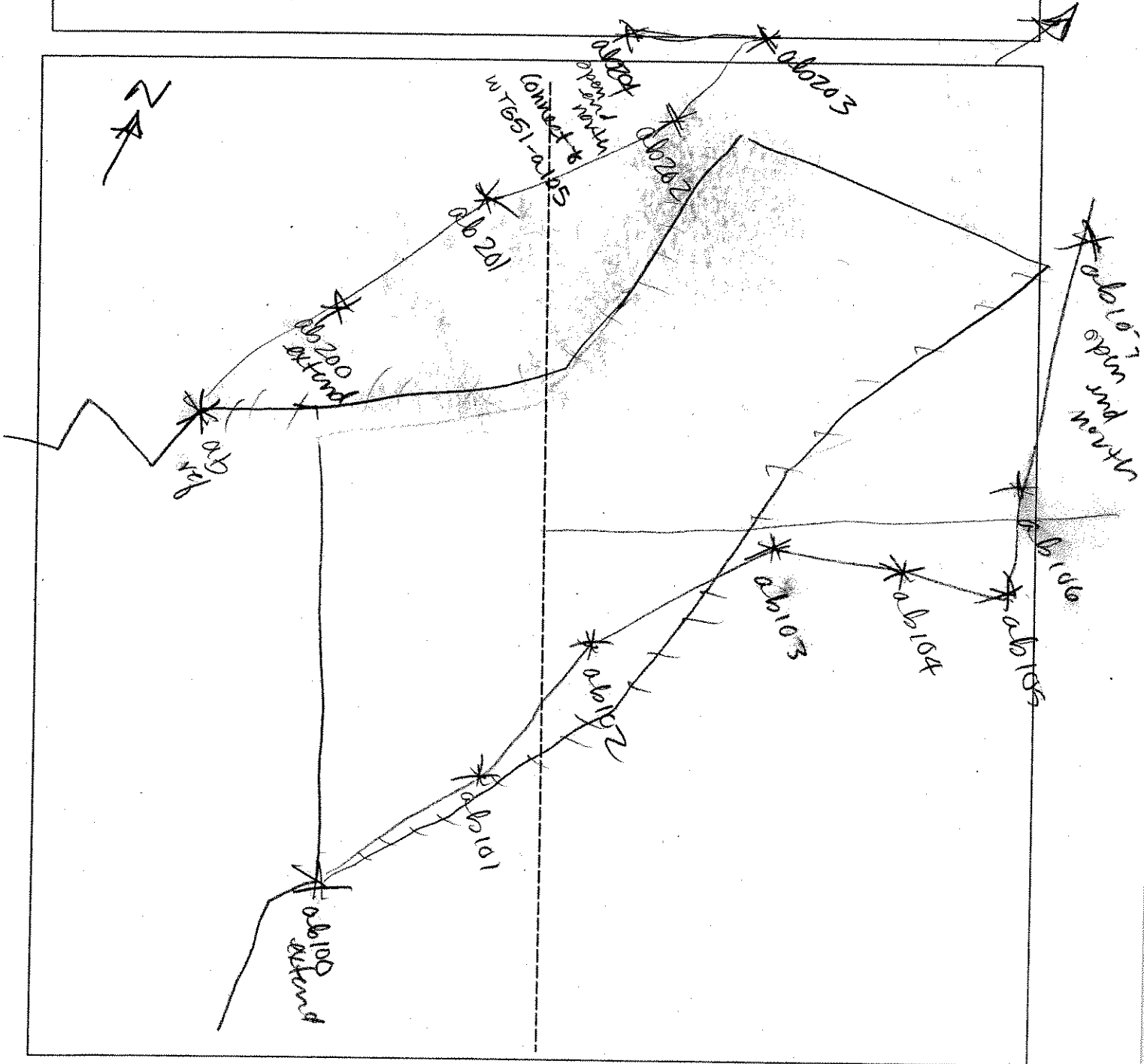
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks Area has recently been logged. Soils are very disturbed and mature woody vegetation harvested. Heard woodpecker tapping tree w/ red

SKETCH FORM

Wetland ID/Route #: <b>AR 852-ab EXT</b>	Date: <b>6 May 07</b>	Time:
Initials of Delineators: <b>JV, AP</b>	Location: <b>AR 852-ab</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Wetland

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BRL</u>	Date: <u>5/6/06</u> County: <u>Canton Co</u> State: <u>NC</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>P60</u> Transect ID: <u>AR-615-SS1</u> Plot ID: <u>AR-551-902</u>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 63 Shrub: 10.5 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Honey Beech</u>	<u>Shrub</u>	<u>FAC</u>	11.		
4. <u>Magnolia</u>	<u>Herb</u>	<u>FAC-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 76

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>None</u>          Depth to Free Standing Water in Pit (in.): <u>6"</u>          Depth to Saturated Soil (in.): <u>10"</u></p>	
Remarks:	

Date: 5/6/06  
 Community ID: 7F0/788  
 Plot ID:  
 AZ 6 55-1-902

**SOILS**

Map Unit Name (Series and Phase): N/A Drainage Class: VD  
 Taxonomy (SubGroup): N/A Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
4-0	B <sub>1</sub>	10YR 3/1	None	None	Fibric
0-6	A <sub>p</sub>	10YR 4/1	None	None	Fgl
6-14	B <sub>22</sub>	10YR 5/2	10YR 5/10	Many / Distinct	Fgl

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \*soil pit dug w/ spade

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Upland  
 Upland  
 AR 902-21

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/6/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: <i>DR 619-SS-2</i> Plot ID: <i>AR-SS-2-902</i>

**VEGETATION** *\* some disturbance from road construction*

Plant Community Classification: Percent Canopy Cover: Tree: <i>10.5</i> Shrub: <i>38</i> Herb: <i>63</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Norway Spruce</i>	<i>Shrub</i>	<i>FACW</i>	10.		
3. <i>Common Fern</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Sensitive Fern</i>	<i>Herb</i>	<i>FACW</i>	12.		
5. <i>May Sedge</i>	<i>Herb</i>	<i>FAC-</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>No Hydrologic Indicators Obs</i> Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>&gt; 12"</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 16"</i> Depth to Saturated Soil (in.): <i>16"</i>	
Remarks:	



Date: 5/6/86  
 Community ID: P25  
 Plot ID:  
 NR 55-2-902

**SOILS**

Map Unit Name (Series and Phase): <i>W/D</i>	Drainage Class: <i>hwb</i>
Taxonomy (SubGroup): <i>h/b</i>	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	<i>Ap</i>	<i>10YR 3/2</i>	<i>None</i>	<i>None</i>	<i>ESL</i>
8-12	<i>Bw<sub>1</sub></i>	<i>10YR 4/4</i>	<i>None</i>	<i>None</i>	<i>FSL</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

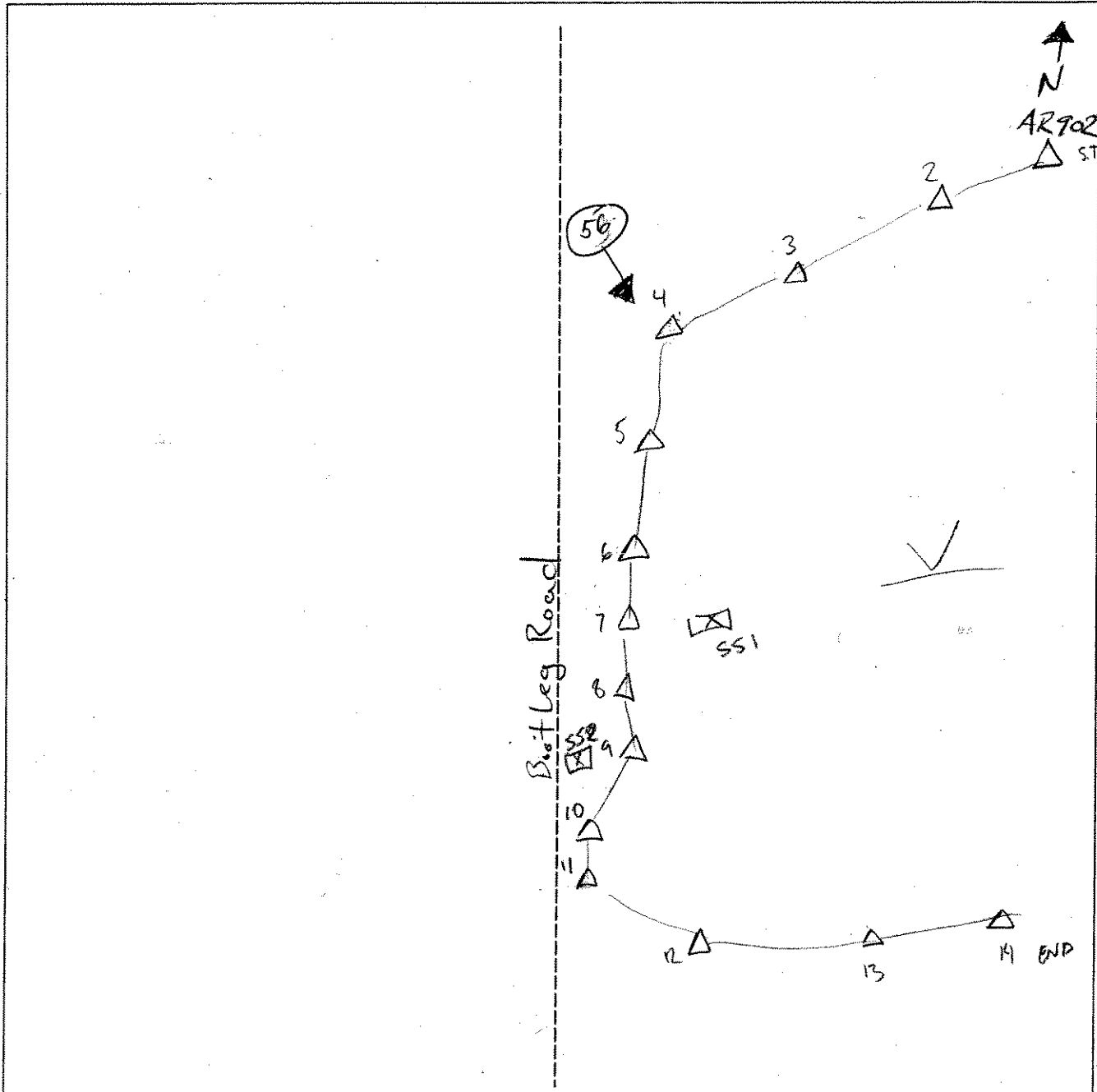
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetlands Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
---	--

Remarks

SKETCH FORM

Wetland ID/Route #: AR902 2	Date: 5-06-06	Time: 10:10 AM
Intials of Delineators: DO BR	Location: Marble River Clinton County, NY	
Roll #:	Frames: 56: Looking SE @ 902-4	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

Wetland  
Downgrade 904

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River</u> Investigator: <u>BPL</u>	Date: <u>5/6/00</u> County: <u>Clinton</u> State: <u>NH</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>PFO/PSS</u> Transect ID: <u>AR-5-5051</u> Plot ID: <u>AR-5-5051-904 Sand</u>

**VEGETATION**

\* 12-1/2 hrs, logging disturb

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>20.5</u> Shrub: <u>0</u> Herb: <u>3.0</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Carex sp.</u>	<u>Herb</u>	<u>OBL</u>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 60

Remarks:

\* Assorted hydrophilic grass present, unable to positively ID due to seasonal conditions

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated at <u>6"</u> <input checked="" type="checkbox"/> Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.): <u>6"</u>  Depth to Saturated Soil (in.): <u>6"</u>	
Remarks:	

Wetland

Date: 5/6/06  
Community ID: PFO/Pc66  
Plot ID:  
P2: -80-1-904Guan

**SOILS**

Map Unit Name (Series and Phase): <i>N/A</i>	Drainage Class: <i>PD</i>
Taxonomy (SubGroup): <i>N/A</i>	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	<i>Bp</i>	<i>10 YR 3/2</i>	<i>None</i>	<i>None</i>	<i>None</i>
4-14	<i>Bw1</i>	<i>10 YR 5/2</i>	<i>10 YR 6/8</i>	<i>Many / Disturbed</i>	<i>ESL</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*Soil profile disturbed with logging*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks

Upland  
Up gradient 904-

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPR	Date: 5/6/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: P45 Transect ID: 102619-422 Plot ID: PR2-452-904 904

**VEGETATION**

\* Rotten, Logging disturb

Plant Community Classification:  
Percent Canopy Cover: Tree: 20.5 Shrub: 20.5 Herb: 38.0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	Tree	FAC	9.		
2. Dogwood	Shrub	FACU	10.		
3. Mayflower	Herb	FAC-	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 33

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):                  ___ Stream, Lake, or Tide Gauge                  ___ Aerial Photographs                  ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: None</p> <p>Primary Indicators:                  ___ Inundated                  ___ Saturated                  ___ Water Marks                  ___ Drift lines                  ___ Sediment Deposits                  ___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):                  ___ Oxidized Root Channels in Upper 12 inches                  ___ Water-Stained Leaves                  ___ Local Soil survey Data                  ___ FAC-Neutral Test                  ___ Other (Explain in Remarks)</p>
<p>Field Observations:                  Depth of Surface Water (in.): &gt; 15"                  Depth to Free Standing Water in Pit (in.): &gt; 15"                  Depth to Saturated Soil (in.): 15"</p>	
<p>Remarks:                  No wetland hydrology indicator obs.</p>	

Upland

Date: 5/6/66

Community ID: PFO / P66

Plot ID:

AR-55-2904-6mo

**SOILS**

Map Unit Name (Series and Phase): N/D1

Drainage Class: W15

Taxonomy (SubGroup): N/A

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	Dp	10YR 3/2	none	none	FSL
4-15	Bw <sub>1</sub>	10YR 4/4	none	none	FSL

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

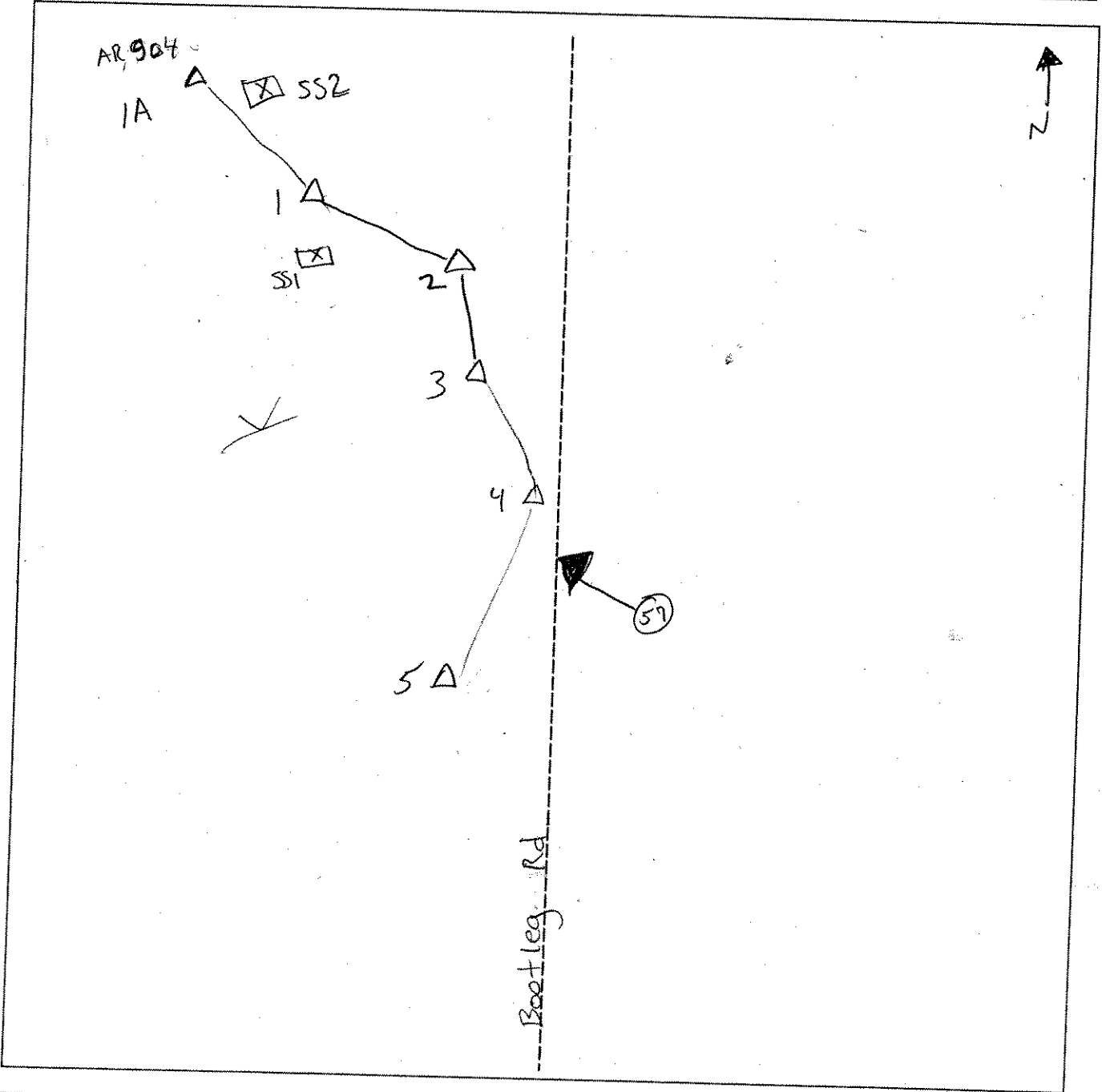
Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No	
Remarks		

SKETCH FORM

Wetland ID/Route #: AR-904	Date: 5-06-06	Time:
Initials of Delineators: DO BR	Location: Marble River	
Roll #:	Frames: 57 : Looking NW @ AR 904-500	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

AR904A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SV AP</i>	Date: <i>5/9/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: <i>PSS</i> Transect ID: Plot ID: <i>AR615 B SSI</i>

**VEGETATION**

*AR904 A EXT*  
*AR615 B*

Plant Community Classification:  
Percent Canopy Cover: Tree: *20* Shrub: *80* Herb: *80* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus populifolia</i>	T	FAC	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Urtica dioica</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>Populus populifolia</i>	S	FAC	13.		
6. <i>Sphagnum moss</i> <i>250</i>	H	OBL	14.		
7. <i>Mentha canadensis</i>	H	FAC	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>3"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	



Date: 5/9/07  
 Community ID: PSS  
 Plot ID: AR615A SSI  
 AR904A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
	A	10YR 2/2			silt
	B	10YR 2/1			silt
3-10	C	2.5Y 4/1	5Y 6/2	common, faint, md	clay
10-19	D	5Y 6/2			sandy clay

**Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

standing water in pit @ 3", organic streaking in C

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

DEC WT PHOTO 7 = W

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>LPL</u> Transect ID: Plot ID: <u>AR015 A SSA</u>							

**VEGETATION**

AR901A EXT  
AR101B

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>40</u> Herb: <u>65</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Abutilon</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Betula pumila</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Aster sp</u>	<u>H</u>	<u>—</u>	12.		
5. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: cannot v.d due to season

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: <u>NA</u></p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations: <u>NA</u></p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	
<p>Remarks:</p>	

Date: 5/9/07  
 Community ID: UPR  
 Plot ID: AR015 A  
 AB904A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:  
 Depth (Inches)      Horizon      Matrix Color (Munsell Moist)      Mottle Colors (Munsell Moist)      Mottles Abundance/Size/Contrast      Texture, Concretions, Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	2.5YR 2.5/2			silt loam
2-4	A <sub>1</sub>	10YR 2/1			sandy loam
4-8	A <sub>2</sub>	10YR 5/2			clay loam
8-12	B	10YR 3/3			

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: organic streaking in B

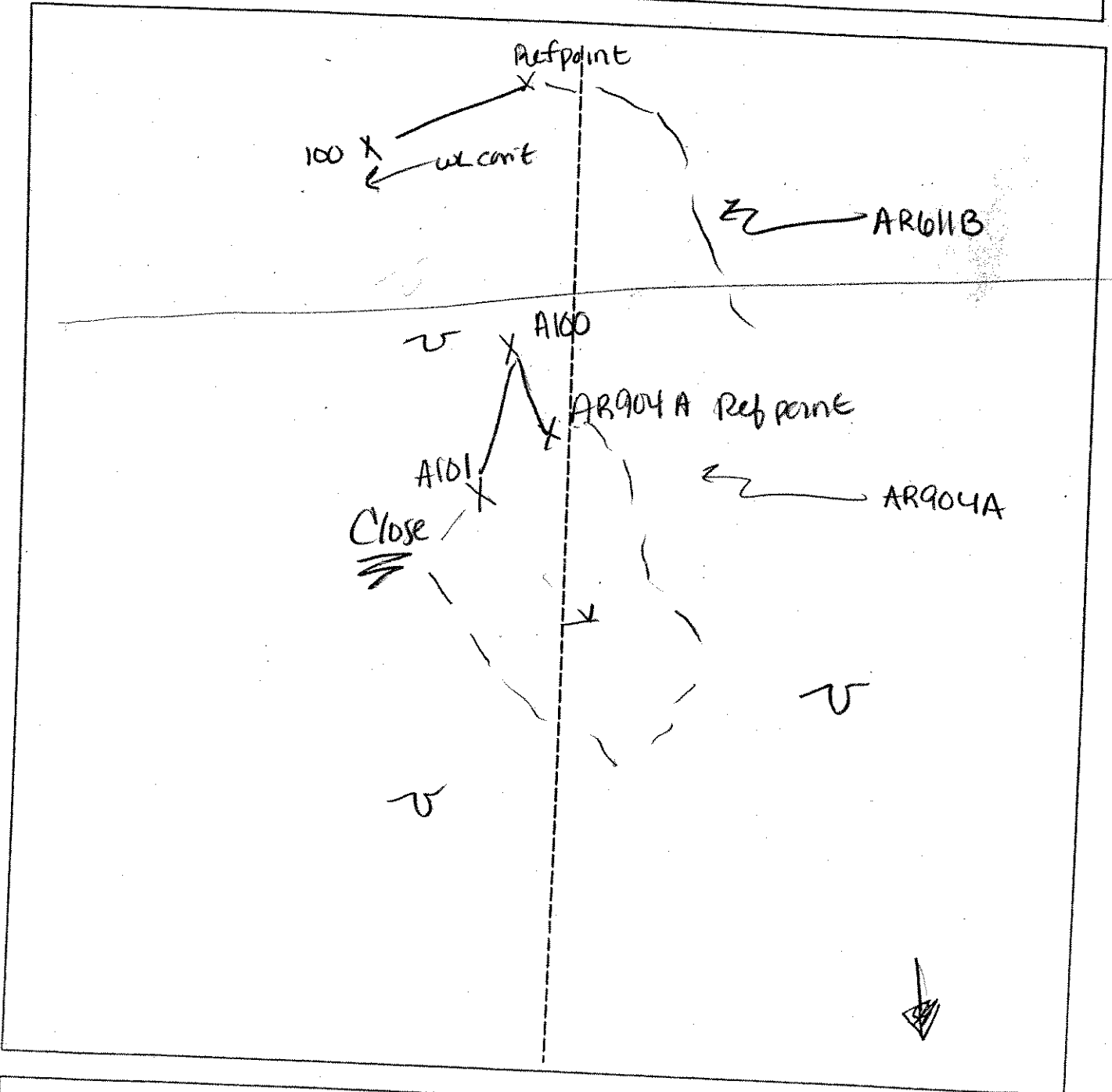
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <u>AR904 A</u> , AR601B		Date: <u>5/9/07</u>	Time:
Initials of Delineators: <u>JV AP</u>		Location: <u>W of T-122</u>	
Roll #:	Frames:		



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: TRD, SC	Date: 7/11/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: WTRM Transect ID: AR906A Plot ID: 551

**VEGETATION** *PEM*

Plant Community Classification:					
Percent Canopy Cover:		Tree: $\emptyset$	Shrub: 59%	Herb: 100%	Vine: $\emptyset$
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. CAREX LURIDA	H	OBL	9. SPOONLEAF	S	FACW
2. J. EFFUSUS	H	FACW+	10. polygonum sp	H	FACW/OBL
3. CAREX SCOPARIA	H	FACW			
4. RATTON	H	FACW			
5. Willow herb	H	OBL			
6. narrow leaf yarrow	H	FAC			
7. CAREX ULPENSIS	H	OBL			
8. DK (sp) bellish	H	OBL			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: Silky willow in western end of wetland - Spike Rush to east					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated (TO EAST) <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): 6"	
Remarks: Flat area receive the runoff from north	

Date: 7/11/06  
 Community ID: WERN1  
 Plot ID: AR906A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/2	—	—	Silty Clay
6-8	B	10YR 6/1	7.5YR 5/8	Common/med/High	CLAY

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

REFUSE of Aqueous AT 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RAJ, SC</u>	Date: <u>7/11/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR906A</u> Plot ID: <u>552</u>

**VEGETATION** Fully Successional

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Stemmed Golden Rod</u>	<u>H</u>	<u>FAC</u>	9.		
2. <u>Buttercup</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Cow Vetch</u>	<u>H</u>	<u>UPL</u>	11.		
4. <u>Timothy</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Grass sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Galium sp</u>	<u>H</u>		14.		
7. <u>Carolina Golden Rod</u>	<u>H</u>	<u>FACU</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	
Remarks:	

Date: 7/11/06  
 Community ID: UPLAND  
 Plot ID: AL906A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-10	A	10YR2.4/2	-	-	Silty Clay loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

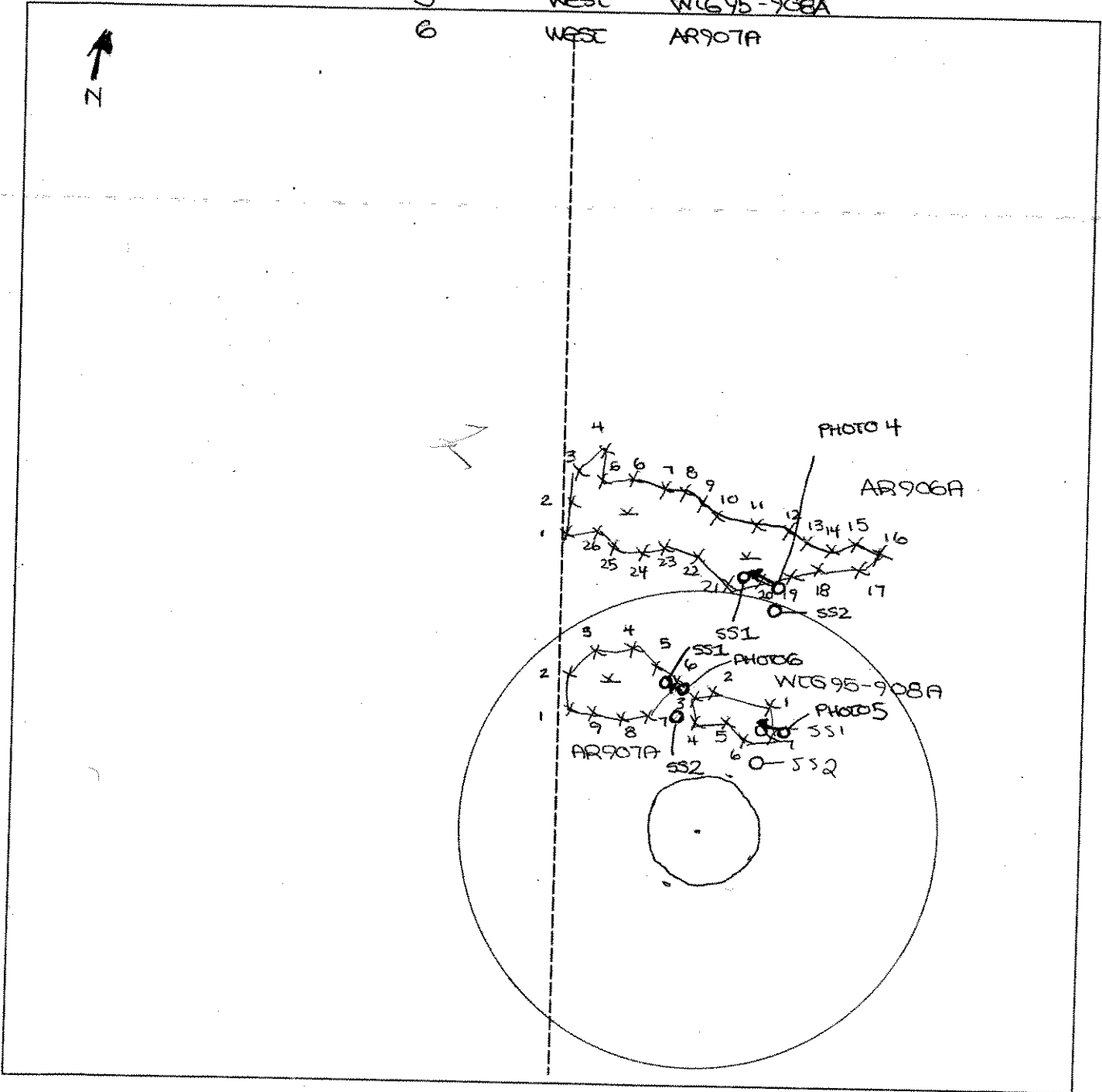
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> AR907A / AR906A / WCG95-908A	<b>Date:</b> 07/10/06	<b>Time:</b>
<b>Initials of Delineators:</b> RD      SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO 4 FACING WEST AT AR906A		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

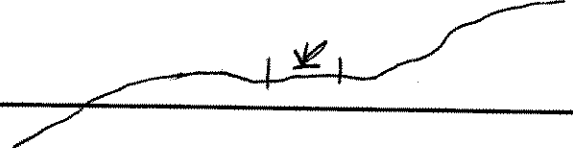
**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA, SC</i>	Date: <i>7/11/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WCRAN</i> Transect ID: <i>TR 907A-SS1</i> Plot ID:

**VEGETATION** *PEN*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED TOP</i>	<i>H</i>	<i>FACW</i>	9.		
2. <i>J. effusus</i>	<i>H</i>	<i>FACW+</i>	10.		
3. <i>C. vulpinoidea</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>C. scoparia</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>D. sp. bulbosa L</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>T. tinctoria</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>PARROT LEGGED GULLERD</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>P. lanceolata</i>	<i>H</i>	<i>FACW+</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Silky willow to west</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>0"</i>	Remarks: <i>DEPRESSURAL AREA ON A PLASTIC</i> 

Date: 7/11/06  
 Community ID: WETLAND  
 Plot ID: AR9107A-SSP

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>1</sub>	10YR 4/1			SILTY CLAY / DAM
6-12	A <sub>2</sub>	10YR 6/1	10YR 4/3	Few/Fine/Dis	SANDY CLAY / DAM
12-18	B <sub>1</sub>	10YR 4/3			CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD / SC	Date: 7/11/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: AA907A Plot ID: 562

**VEGETATION** EARLY SUCCESSIONAL FIELD

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <input checked="" type="radio"/> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <del>COHOSH</del>	H	FAC U	9.		
2. BUTTERCUP	H	FAC	10.		
3. COW VETCH	H	UPL	11.		
4. ROUGH STEW GOLDENROD	H	FAC	12.		
5. CANADA GOLDENROD	H	FAC U	13.		
6. HADDER	H	UPL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): N/A  Depth to Saturated Soil (in.): N/A	Remarks:

Date: 07/11/06  
 Community ID: UPLAND  
 Plot ID: AR907A-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0 → 8	A	10YR 4/2	—	—	SILTY CLAY LOAM
8 → 18	B	10YR 5/2	10YR 5/4	COMMON/MEDIUM/DISTINCT	SANDY CLAY

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

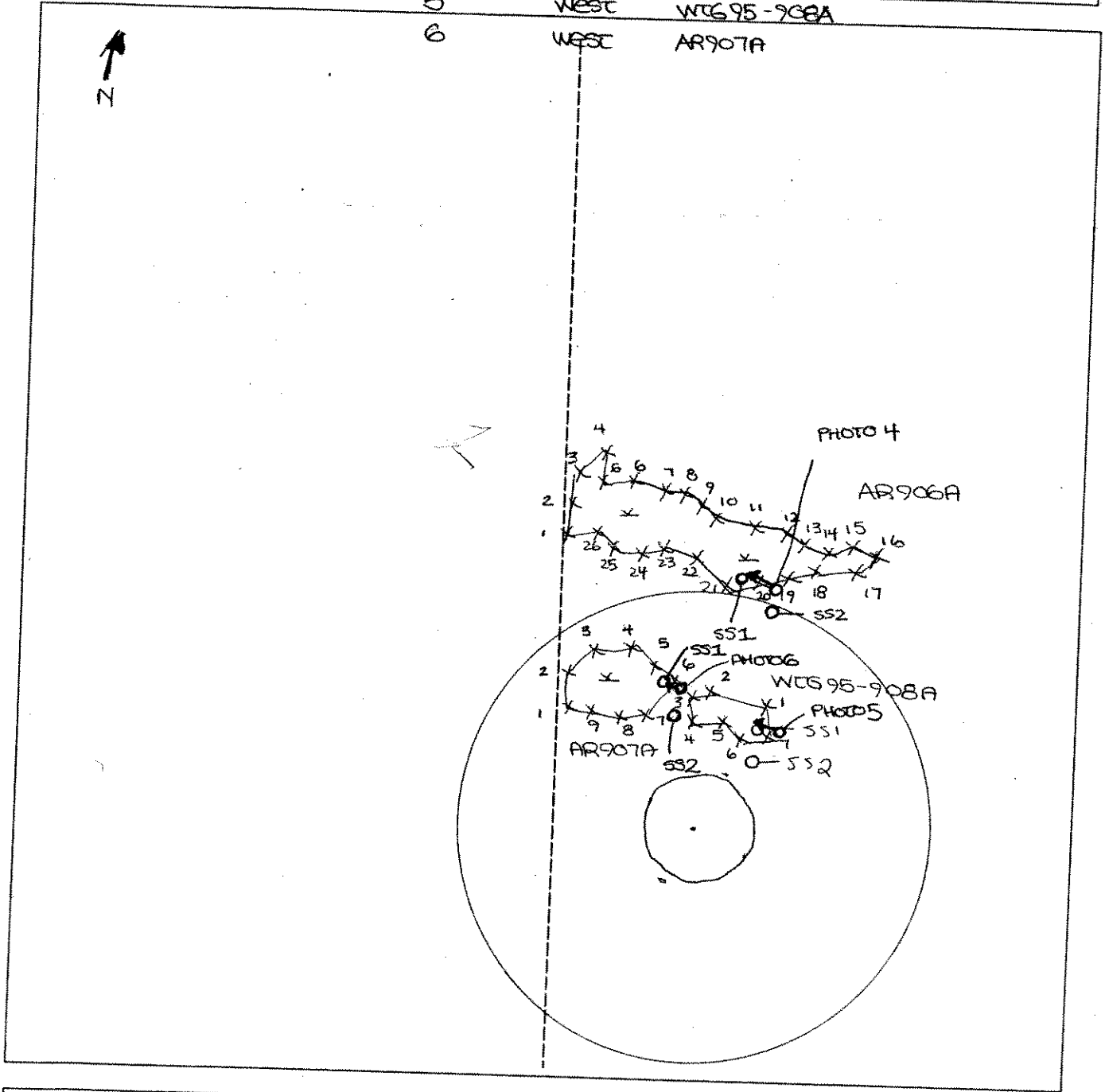
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks

**SKETCH FORM**

<b>Wetland ID/Route #:</b> AR907A / AR906A / WCG95 908A	<b>Date:</b> 07/10/06	<b>Time:</b>
<b>Initials of Delineators:</b> RD      SC	<b>Location:</b> MAPLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO 4 FACING WEST AT AR906A		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>R.D. SC</i>	Date: <i>7/11/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>WERAND</i> Transect ID: <i>AR909A</i> Plot ID: <i>SS1</i>							

**VEGETATION**

*PEM*

Plant Community Classification:  
Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *95%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>DK sp. tall rush</i>	<i>H</i>	<i>OBL</i>	9.		
2. <i>Juncus effusus</i>	<i>H</i>	<i>FACW +</i>	10.		
3. <i>Carex lasiocarpa</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>Rod Top</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Carex vulpina</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i>  Depth to Free Standing Water in Pit (in.): <i>n/a</i>  Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Photo 7 SSW</i> <i>Depressional Area</i>	

Date: 7/1/06  
 Community ID: WETLANDS  
 Plot ID: AR909A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	Silt loam
6-10	B <sub>1</sub>	10YR 5/3/5/4	mix	—	Sandy loam
10-18	B <sub>2</sub>	5Y 5/1	10YR 5/4	com/med / list	Sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BD SC</u>	Date: <u>7/11/06</u> County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Community ID: <u>UPLand</u> Transect ID: <u>AR909A</u> Plot ID: <u>552</u>									

**VEGETATION** Early successional (COW PASTURE)

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Timothy	H	FACU	9.		
2. Buttercup	H	FAC	10.		
3. Rye Grass	H		11.		
4. Cowitch	H	UPL	12.		
5. Grass sp	H	=	13.		
6. Wild Mustard	H	UPL	14.		
7. White Clover	H	FACU-	15.		
8. Dandelion	H	FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 7/11/06  
 Community ID: Upland  
 Plot ID: AR909A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 3/2	—	—	SILT LOAM
14-18	B	10YR 5/2	—	—	SANDY CLAY LOAM

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

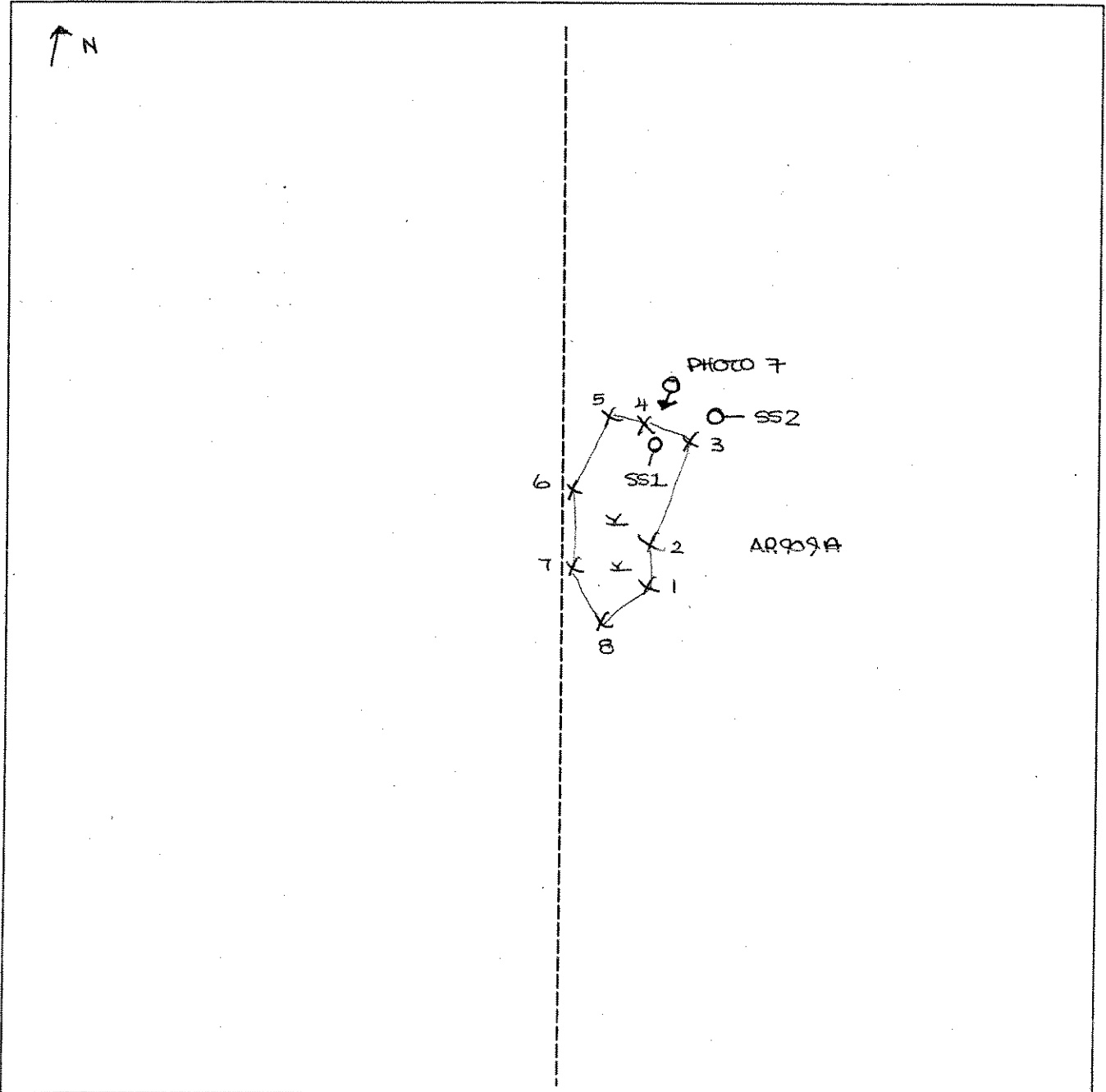
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR909A <small>ACCESS RD TO TURBINE 95 FROM STAR ROAD</small>	<b>Date:</b> 07/11/06 <b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> HARBOR RIVER - AR909A
<b>Roll #:</b> <b>Frames:</b> PHOTO 7 FACING SSW	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD, SC</u>	Date: <u>7/11/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WOLAM</u> Transect ID: <u>AR910A</u> Plot ID: <u>SS1</u>

**VEGETATION**

PTO

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>85</u>	Shrub: <u>5%</u>	Herb: <u>60%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>C. Intumescens</u>	<u>H</u>	<u>FACW+</u>	11.		
4. <u>Interrupted fern</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>marsh sweet</u>	<u>S</u>	<u>FAC+</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

Red maple forested wetland

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input checked="" type="checkbox"/> Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p><input checked="" type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>n/a</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>n/a</u></p> <p>Depth to Saturated Soil (in.): <u>0"</u></p>	<p>Remarks:</p> <p align="center"><u>Be Assessing</u></p> <p><u>photo 8 =&gt; SW from hiker AR910A-5 7/6</u></p>

Date: 7/11/06  
 Community ID: WETLANDS  
 Plot ID: AR910A-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations: \_\_\_\_\_  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2			Silty clay sub sand
6-8	E	10YR 5/2	10YR 3/2	STREAKING	Sandy clay 10A
8-16	B <sub>1</sub>	10YR 5/3	10YR 4/3	SD/SD mix	Sandy clay
16-18	B <sub>2</sub>	10YR 5/3	10YR 4/6	com/mud/dif	Sandy clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: \_\_\_\_\_

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RD, SC</i>	Date: <i>7/11/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Upland</i> Transect ID: <i>AR910A</i> Plot ID: <i>SS2</i>							

**VEGETATION** *Upland Decid Forest* *\* NTB97A-SS2*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>75%</i>	Shrub: <i>5%</i>	Herb: <i>75%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Service berry</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Wood fern</i>	<i>H</i>	<i>FAC+</i>	11.		
4. <i>Canada Lily</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Interrupted Fern</i>	<i>H</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 7/11/06  
 Community ID: UPIA15  
 Plot ID: AL910A-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-7	A <sub>1</sub>	10YR 2/1	—	—	Silt loam w/deg. cs
2-8	A <sub>2</sub>	10YR 3/1	—	—	Silt loam
8-18	B	10YR 3/2	—	—	Silt clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: \_\_\_\_\_





**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/6/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>PSS/PEM</i> Transect ID: Plot ID: <i>AR 917 C SSI</i>							

*(NEW WETLAND)*

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>70</i> Herb: <i>65</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	T	FACW+	9.		
2. <i>A. nigra</i>	S	FACW+	10.		
3. <i>Typha latifolia</i>	H	OBL	11.		
4. <i>Sagittaria sp.</i>	H	—	12.		
5. <i>Sparganium angustifolium</i>	H	FACW	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>cannot find species due to time of year</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>2" +</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Plaque Road by section (D) All wetlands. culverts are in place to hydrologically connect areas. Banks of wetland boundary to E + W discharge runoff and groundwater into area.</i>	

Date: 5/6/07  
 Community ID: PSS/perm  
 Plot ID: AR917 C-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A <sub>1</sub>	7.5YR 2.5/1			silt loam
4-8	A <sub>2</sub>	2.5Y 4/3	5Y 5/4	fine/few/distinct	silt loam
8-10	B	5Y 5/2			Sandy loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks: DEC wetland Photo 5 = S		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AB917 C S52</u>

**VEGETATION**

Plant Community Classification: <u>Roadside of Saginaw</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>95</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Bedstraw</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Ranunculus sp.</u>	<u>H</u>	<u>—</u>	10.		
3. <u>Taraxacum officinale</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Fragaria virginiana</u>	<u>H</u>	<u>FACU</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/7/07  
 Community ID:  
 Plot ID: AR917 C 882

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6		10YR 3/2			sandy loam
6-12		10YR 3/3			sandy loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Soils are comprised of fill and gravel.  
 Top 6" ~50' roots.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA SC</i>	Date: <i>7/13/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC1011A1B</i> <span style="margin-left: 150px;"><i>SS1</i></span>							

**VEGETATION** *P5D Deciduous*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>70%</i>	Shrub: <i>35%</i>	Herb: <i>60%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BALTIMOR Fir</i>	<i>TIS</i>	<i>TAL</i>	9.		
2. <i>RED maple</i>	<i>TIS</i>	<i>H FAC</i>	10.		
3. <i>YELLOW birch</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>SPRAG map</i>	<i>H</i>	<i>OBI</i>	12.		
5. <i>CLB map</i>	<i>H</i>	<i>TAL</i>	13.		
6. <i>Whorled leaf Alder</i>	<i>H</i>	<i>*EOD LPL</i>	14.		
7. <i>IR. Tuckey</i>	<i>S</i>	<i>FACU-</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>VEG in</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>n/a</i>  Depth to Free Standing Water in Pit (in.): <i>n/a</i>  Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Attempted AT 3 locations</i> <i>Refusal of Auger AT 14-16" - no water in pit</i> <i>Spec saturated at 9-15"</i>	

Date: 7/13/06  
 Community ID: W22AD  
 Plot ID: 2C1011A/B-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concrete Structure, etc.
0-3	A	10YR 2/1	-	-	Silt/clay w/ dk/Anis
3-9	R <sub>1</sub>	10YR 5/2	10YR 3/6	com / coarse / dk	sandy clay → clay
9-15	B <sub>2</sub>	7.5YR 4/2	10YR 4/4	mod / coarse / dk	clay

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

W22AD extension of AR925

photo 10 → W for AR925B-5

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BD, SC</i>	Date: <i>7/3/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>UPLAND</i> Transect ID: <i>IC 104 A1B</i> Plot ID: <i>552</i>							

**VEGETATION**

*uplands decid/conifer mix*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>75%</i> Shrub: <i>45%</i> Herb: <i>70%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Upland Oak</i>	<i>T/S</i>	<i>FAC</i>			
2. <i>Red Maple</i>	<i>T/S</i>	<i>FAC</i>			
3. <i>White Oak</i>	<i>H</i>	<i>FAC+</i>			
4. <i>Spotted Fern</i>	<i>H</i>	<i>FAC U</i>			
5. <i>Tree-like Clubmoss</i>	<i>H</i>	<i>FAC U</i>			
6. <i>Canada Lily</i>	<i>H</i>	<i>FAC-</i>			
7. <i>Arrow Birch</i>	<i>S</i>	<i>FAC U</i>			
8. <i>Aspen</i>	<i>T</i>	<i>FAC U</i>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 7/13/06  
 Community ID: Upland  
 Plot ID: IC1011A/B-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-2	O				100% litter
2-4	A	7.5YR 4/2			sandy tan
4-12	B	7.5YR 4/6	7.5YR 3/2	50/50 mix	silty clay, tan

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>ADJ, SC</i>	Date: <i>7/13/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Wetland</i> Transect ID: <i>IC1011C/D</i> Plot ID: <i>SSI</i>							

**VEGETATION**

*PFO Pond w/ scattered conifers*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>70%</i> Shrub: <i>35%</i> Herb: <i>95%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T/S</i>	<i>FAC</i>	9. ....		
2. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	10. ....		
3. <i>Wood Fern</i>	<i>H</i>	<i>FAC</i>	11. ....		
4. <i>Marsh Sweet</i>	<i>S</i>	<i>FAC</i>	12. ....		
5. <i>Balsam Pine</i>	<i>T/S</i>	<i>FAC</i>	13. ....		
6. <i>White Birch</i>	<i>H</i>	<i>UPL *</i>	14. ....		
7. ....			15. ....		
8. ....			16. ....		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>n/A</i> Depth to Free Standing Water in Pit (in.): <i>14"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Surface water SW -&gt; NE</i>  <i>photo 11 -&gt; E at SSI for AR925B-1</i>	

Date: 7/13/06  
 Community ID: WCLAD  
 Plot ID: IC1011C/D-SS1

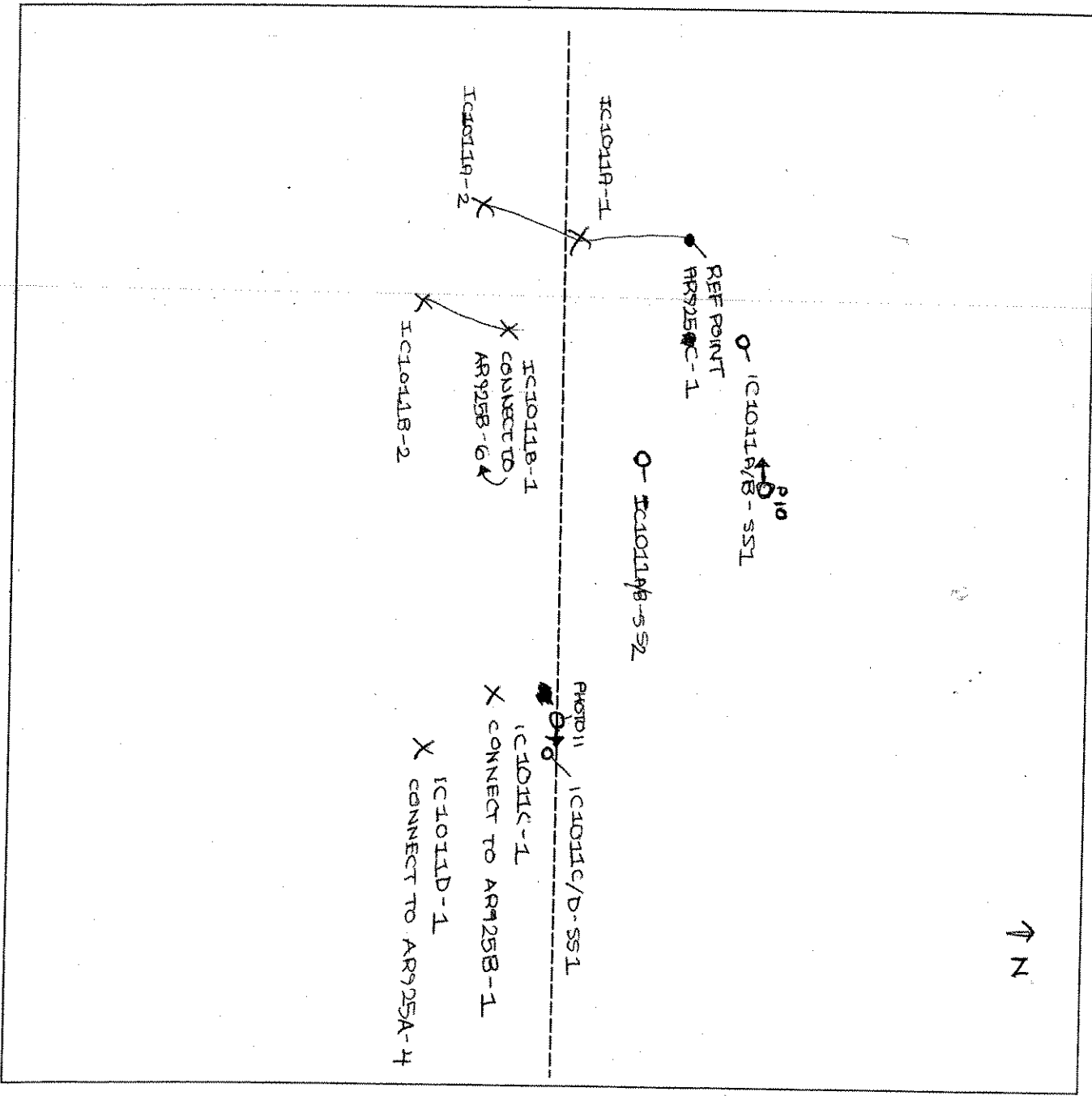
**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O				SPHAG ORGANIC
4-10	A	10YR 3/2			Silty clay loam
10-18	B	7.5YR 5/1	7.5YR 5/8	(Common) / 90%	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
Adjacent uplands comparable to IC1011 A/B-SS2			

Wetland ID/Route #: AR925-A/B/C, IC IC1011A/B/C/D LINE EXTENSION	Date: 7/13/08	Time:
Intials of Delineators: RD / SC	Location: MAPLE RIVER	
Roll #:	Frames: PHOTO 10 FACING W AT AR925B-5 IC FACING E	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><del>No</del></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><del>No</del></td> </tr> </table>	Yes	No	Yes	<del>No</del>	Yes	<del>No</del>
Yes	No						
Yes	<del>No</del>						
Yes	<del>No</del>						
Community ID: PF01 / 4 Transect ID: Plot ID: AR926 A 551							

**VEGETATION**

Plant Community/Classification: <u>FIR FOREST</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>10</u> Herb: <u>60</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamiae</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. balsamiae</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Erythronium americanum</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Athyrium filix-femina</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Sphagnum moss</u>	<u>M</u>	<u>OBL</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/3/07  
 Community ID: RFO 1/4  
 Plot ID: AR926 A 551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	B	10YR 2/1			Silty clay loam
3-10	A	10YR 2/1	5YR 5/8	Few/fine/obscure	Silty clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: high OM in upper 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks

Photo 4 => N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JN AP</u>	Date: <u>5/2/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR926 A 882</u>

**VEGETATION**

EXT

Plant Community Classification: <u>Early Successional Forest</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>25</u> Herb: <u>60</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Aspen rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. balsamea</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Lycopodium complanatum</u>	<u>H</u>	<u>FACU-</u>	12.		
5. <u>Athyrium filix femina</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Erythronium americanum</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Lycopodium obscurum</u>	<u>H</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&gt;50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/3/07  
 Community ID: UPL  
 Plot ID: AR026 A 552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	O	10YR 2/1			ORGANICS
2-10	A	7.5YR 5/2	5YR 5/0	Few fine faint	clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Refusal @ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

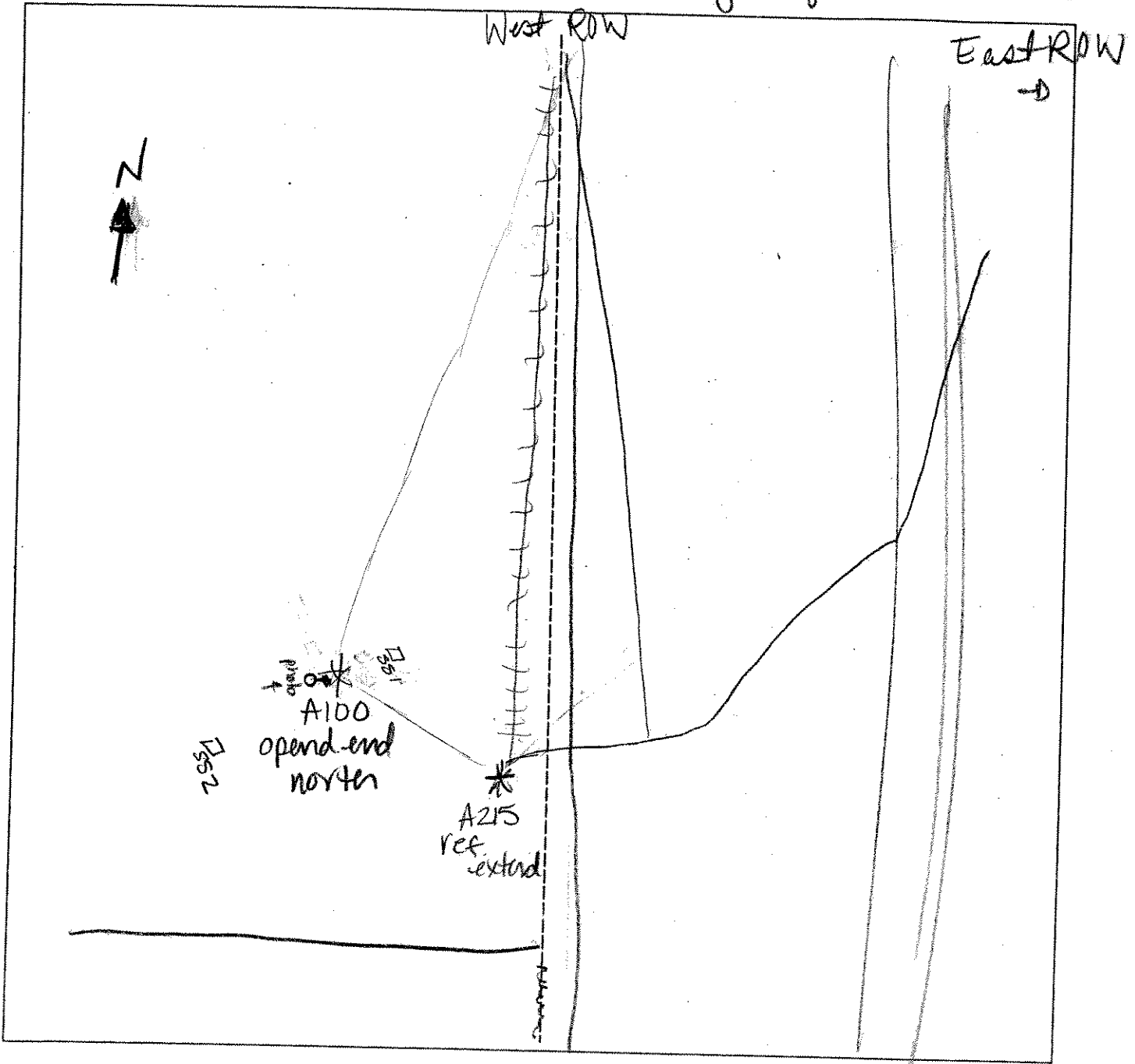
Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR926A</b> EXT		Date: <b>3 May 07</b>	Time:
Initials of Delineators: <b>JV: AP</b>		Location: <b>AR926A</b>	
Roll #:	Frames: <b>photo 4 by A100 open end facing East</b>		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



Line extension

SKETCH FORM

Wetland ID/Route #: AR927A/B (LINE EXTENSION)	Date: 8/19/06	Time:
Initials of Delineators: JY / SM / SC	Location: MARBLE RIVER	
Roll #:	Frames:	

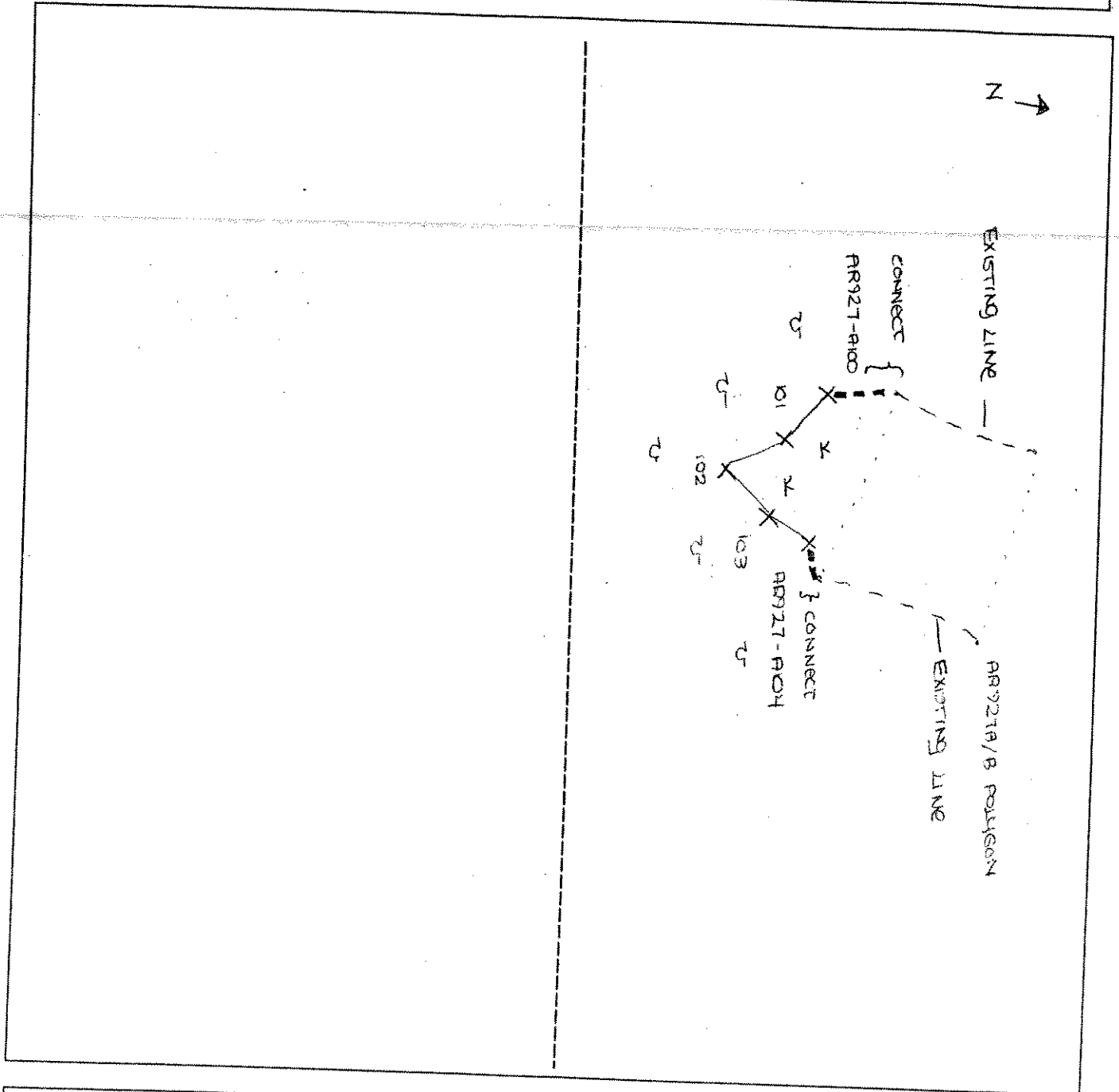


Photo Location/Direction	<b>Legend</b>	Wetland
Sample Station		Upland
Centerline		Stream
Flag		Intermittent Stream

Shared Plot w/ AR 939 A/B  
Wetland 801 A

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/08 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFB/PEM/PSE Transect ID: Plot ID: AR 939 A - Series 801

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63.0 Shrub: 20.5 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	1	Tree	FAC	9.	
2. Gray Birch	2	Tree	FAC	10.	
3. Blk Spruce	3	Tree	FACW	11.	
4. Blk Spruce	4	Shrub	FACW	12.	
5. Winterberry	5	Shrub	FACW	13.	
6. Red Raspberry		Herb	FAC	14.	
7. Common Fern	6	Herb	FAC	15.	
8. Carex Canadensis	7	Herb	OBL	16.	

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $7/8 = 87.5\%$

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated  <input checked="" type="checkbox"/> Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p>
<p>Field Observations:          Depth of Surface Water (in.): 0          Depth to Free Standing Water in Pit (in.): &gt; 14          Depth to Saturated Soil (in.): &gt; 14</p>	<p>Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Remarks:</p>	

Date: 7/18/06  
 Community ID: P50/P480/P62  
 Plot ID:  
 02 939 Agave Wetland

**SOILS**

Map Unit Name (Series and Phase): *N/A*  
 Taxonomy (SubGroup): *N/A*  
 Drainage Class: *UPD*  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	<i>Dp</i>	<i>10YR 3/1</i>	<i>None</i>	<i>None</i>	<i>FCB</i>
10-14	<i>Bw<sub>1</sub></i>	<i>10YR 5/2</i>	<i>10YR 6/5</i>	<i>Few/med/Dom.</i>	<i>SL</i>

- Hydro Soil Indicators
- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks  
*Wetland roadside / boundary well defined by slope.*

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

02 939 AB  
 Upland/Road bed  
 Shared Data pt.  
 85-2

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Road Bed Transect ID: Plot ID: 85-2-Upland

02 939

**VEGETATION**

Plant Community Classification: Unvegetated Road bed					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. /			9.		
2. /			10.		
3. /			11.		
4. /			12.		
5. /			13.		
6. /			14.		
7. /			15.		
8. /			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: Unvegetated road bed w/ red maple, spruce, fir, apple overstory					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): >12" Depth to Saturated Soil (in.): >12"	
Remarks:	

Date: 7/18/06  
 Community ID: Road bed  
 Plot ID: DR 939 - Upland 88-2

**SOILS**

Map Unit Name (Series and Phase): U/A  Taxonomy (SubGroup): w/m	Drainage Class: IWD  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12"	Fill	10YR 4/4	None	None	SL

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:  
 Road fill no redox features

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

Shared Data Plot w/ AR 939 ALB wetland 8013

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: PFO/PSS/PBW Transect ID: Plot ID: AR 939-801

**VEGETATION**

D.G-B10 Bgemo

Plant Community Classification:  
Percent Canopy Cover: Tree: 63.0 Shrub: 0 Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	Tree	FAC	9.		
2. Poplar	Tree	FACU	10.		
3. Grey birch	Tree	FAC	11.		
4. Sensitive fern	Tree	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/4 - 75%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): > 15" Depth to Saturated Soil (in.): > 15"	Remarks:

Date: 7/18/06  
 Community ID: PEO/P66/P6W  
 Plot ID:  
 02939-861-BF6m3

**SOILS**

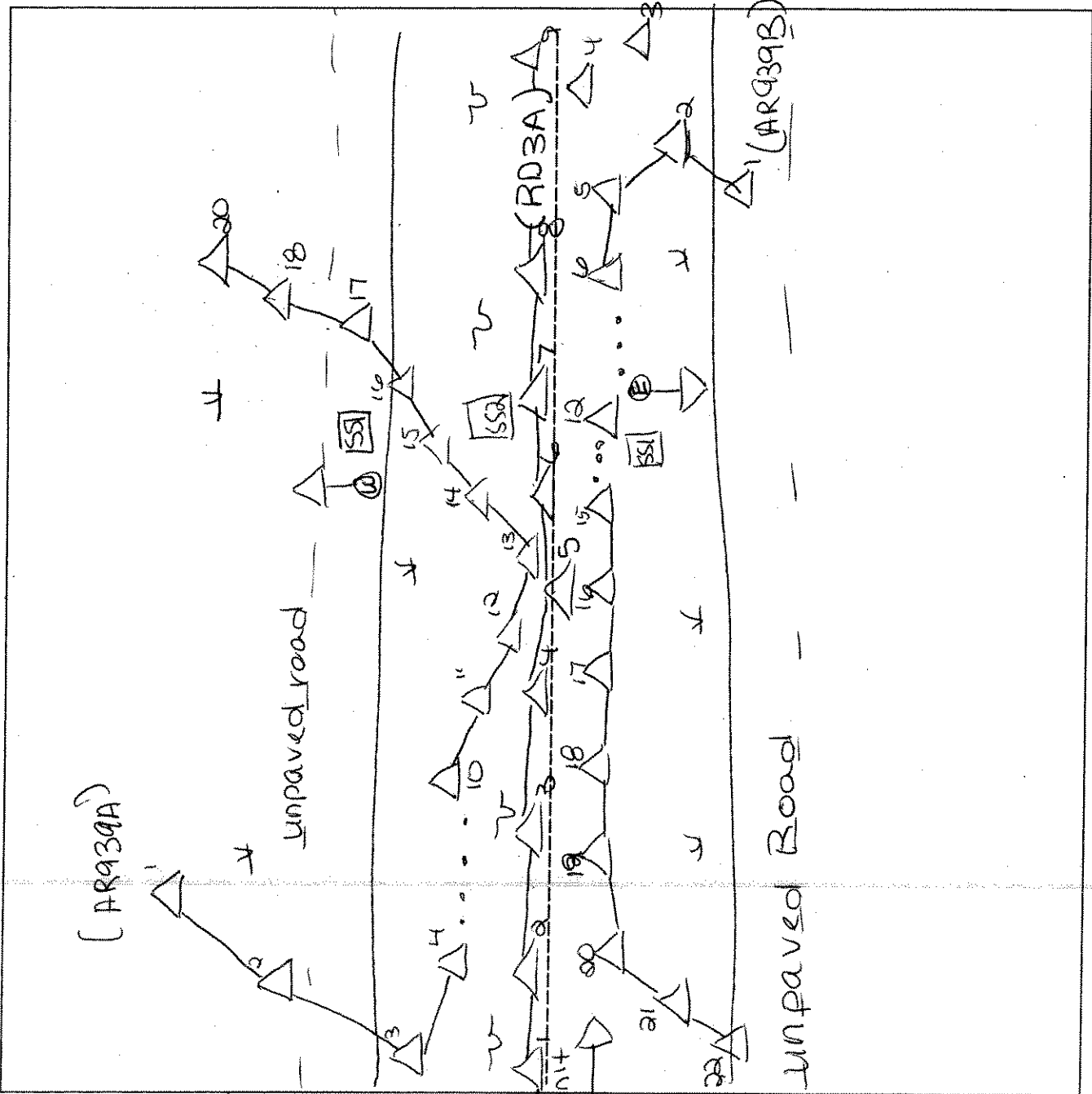
Map Unit Name (Series and Phase): N/A		Drainage Class: VPB			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR2.3/1	10YR 6/8	None	SL
10-15"	Bw1	10YR 5/2		Fine/med/Dist	SL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>AR 999A/B + RD3A</b>	Date: <b>7.18.06</b>	Time:
Initials of Delineators: <b>BR</b>	Location: <b>Access road between turbines 13 + 19</b>	
Roll #: <b>108</b>	Frames: <b>939A =&gt; W, 939B =&gt; E, RD3A =&gt; N</b>	<b>109</b> <b>110</b>



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Stream
	Centerline		Intermittent Stream
	Flag		

↑  
N



LINE EXTENSION

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: PFO4 Transect ID: Plot ID: AR939 B SSI							

**VEGETATION**

Plant Community Classification: Cedar Swamp

Percent Canopy Cover: Tree: 80 Shrub: 45 Herb: 20 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. NW Cedar	T	FACW	9. Marsh Marigold	H	OBL
2. <i>Abies balsamea</i>	T	FAC	10. <i>Onoclea sensibilis</i>	H	FACW
3. <i>Picea mariana</i>	T	FACW-	11.		
4. <i>A. balsamea</i>	S	FAC	12.		
5. <i>Pteris</i> sp	M	-	13.		
6. <i>Carex</i> sp	H	-	14.		
7. <i>Mnium</i> <i>Canadensis</i>	H	FAC	15.		
8. <i>Sphagnum</i> moss 20"	H	OBL	16.		

Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: *Acer rubrum* observed outside sample station <5% abundance.  
 Can not i.d. species due to time of year.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): NA  Depth to Free Standing Water in Pit (in.): 1"  Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/8/07  
 Community ID: AR 939-B  
 Plot ID: 281

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations: \_\_\_\_\_  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1			
1-14	A	10YR 2/2			Silt loam
14-17	B	10YR 3/2	5Y 5/2	few, faint, mod.	loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: ORC<sup>2</sup> in A; B, organic streaking in B

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks: PHOTO 5 = E of DEC WL Area has been logged.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: AR939 B SSA							

**VEGETATION**

Plant Community Classification: Spruce/Fir mix					
Percent Canopy Cover: Tree: 50 Shrub: <5 Herb: 20 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>Betula alleghemensis</i>	T	FAC	10.		
3. <i>Picea mariana</i>	T	FACW	11.		
4. <i>Abies balsamea</i>	H	FACU	12.		
5. <i>Maianthemum canadensis</i>	H	FAC	13.		
6. <i>Aster sp.</i>	H	—	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50%					
Remarks: *possibly <i>Aster acuminatus</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/8/07  
 Community ID: AR 939 B  
 Plot ID: 552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/2			
3-9	A	10YR 2/1	10YR 5/6	few distinct, fine	clay loam
9-12	B	10YR 6/8	10YR 6/3	prom., many, m.d.	sandy clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: organic streaking in B

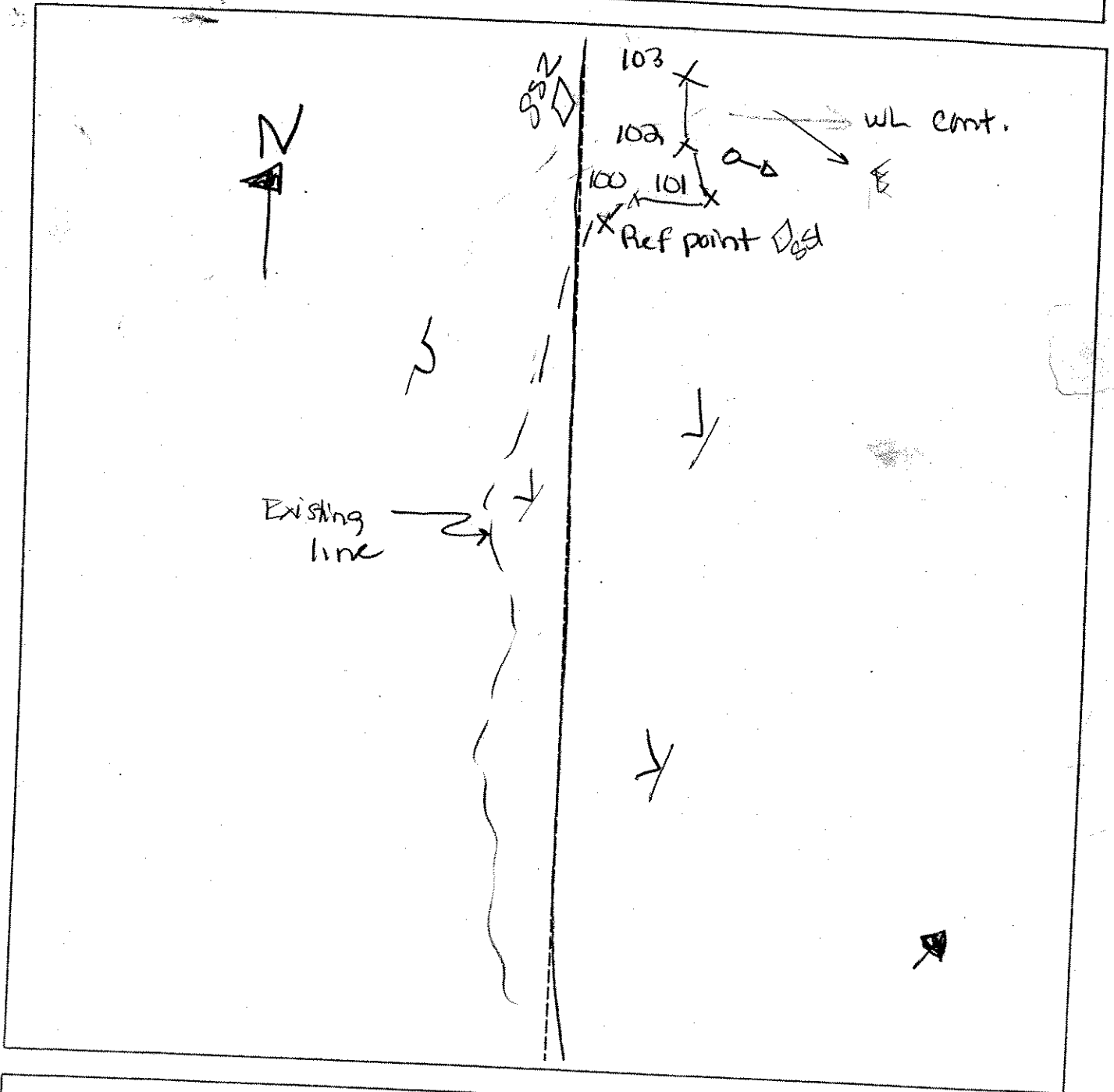
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Area has been logged, Auto are present within WL / UPL transition. Definite refug into WL to E.

# SKETCH FORM

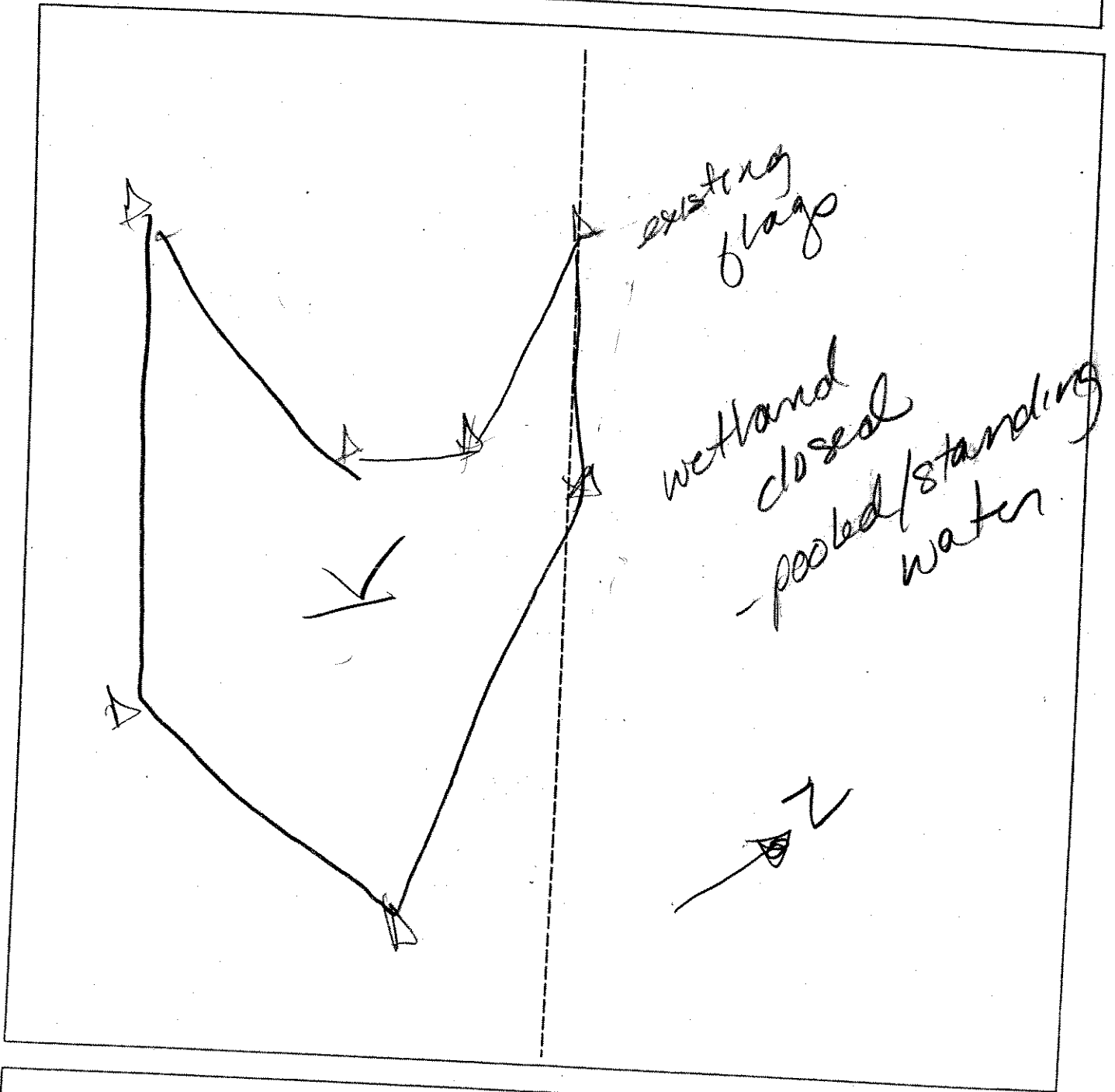
<b>Wetland ID/Route #:</b> AR939B EXT	<b>Date:</b> 5/8/07	<b>Time:</b>
<b>Initials of Delineators:</b> JV / AP	<b>Location:</b> OFF Frontier Rd	
<b>Roll #:</b>	<b>Frames:</b> 5 = E	



Legend	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
△	Flag
X	Wetland
U	Upland
—	Stream
- . . -	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <b>AB939 C LINE EXTENSION</b>		Date: <b>8 May 07</b>	Time:
Initials of Delineators: <b>JV ; AP</b>		Location: <b>Frontier Rd</b>	
Roll #:	Frames:		

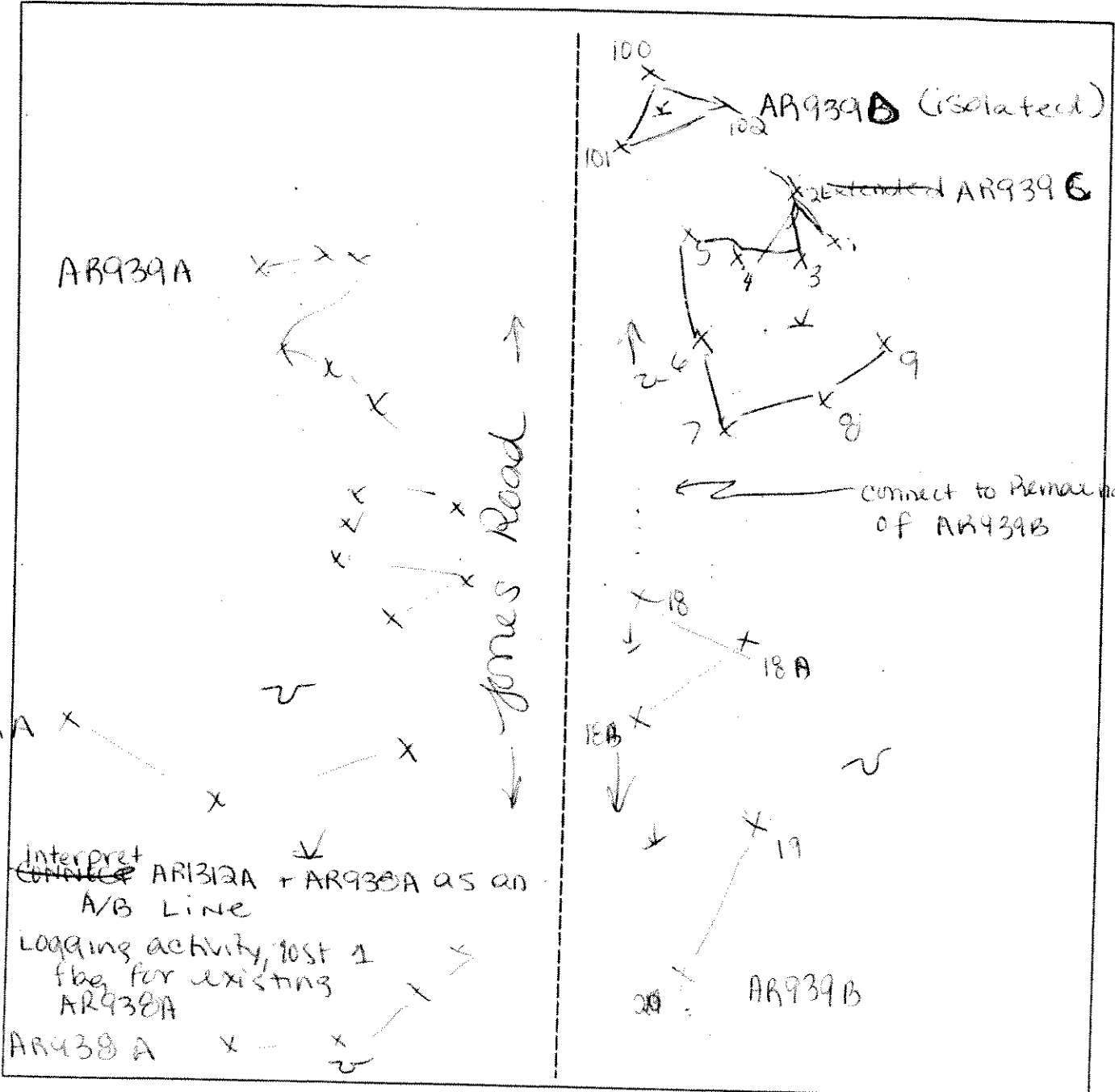


**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <del>AR939A</del> AR1312A + AR939B (C/D)		Date: 10/13/06	Time: 1600
Initials of Delineators: IB JV		Location: AR 10 + 13	
Roll #:	Frames:		



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Wetland A2940  
Shared Data Pt. w/ A2B  
line

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/16/02 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: FFO Dist Transect ID: Plot ID: DG 940-A1 881							

**VEGETATION**

\* Recently logged forest

Plant Community Classification:					
Percent Canopy Cover: Tree: 20.5 Shrub: 10.5 Herb: 63 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	Tree	FAC	9.		
2. Baldern Fir	Tree	FAC	10.		
3. Shining Club Moss	Herb	FPCW	11.		
4. Tree Clubmoss	Herb	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/4 = 75					
Remarks: * Recently logged					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): > 12 Depth to Saturated Soil (in.): > 12	
Remarks: Poorly drained, shallow sward area	



Wetland

Date: 7/18/06

Community ID:

Plot ID: 250 Disturbed

DB 094D A1-551

**SOILS**

Map Unit Name (Series and Phase): N/A

Drainage Class: PD

Taxonomy (SubGroup): N/A

Field Observations  
Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	Ab	10YR 3/1	None	None	FSL
8-16	Bw <sub>1</sub>	2.5Y 5/2	2.5Y 5/6	Fine, med, faint	FSL

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

A-series - Upland

AR 940  
 Shared Data Pt. W/P 28

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No    * <input type="radio"/> Yes <input checked="" type="radio"/> No    *
Community ID: PFO - Disturbed Transect ID: Plot ID: SS-2	

**VEGETATION**

Recently logging activity, UG AR 940 - Series-6

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63.0 Shrub: 38.0 Herb: 38.0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	1	Tree FAC	9.		
2. Balsam Fir	2	Tree FAC	10.		
3. Sugar Maple		Tree FACU	11.		
4. New York Fern	3	Herb FAC	12.		
5. May Flower		Herb FAC =	13.		
6. Balsam Fir	"	Shrub FAC	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/6 = 66

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): >12" Depth to Saturated Soil (in.): >12"	
Remarks:	

Upland

Date: 7/18/06  
Community ID: 260 - Dist.  
Plot ID:

UB PR 940 - A 6

**SOILS**

Map Unit Name  
(Series and Phase): U/P

Taxonomy (SubGroup): U/A

Drainage Class: NWD

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-5	DP	10YR 3/2	none	none	FGL
5-12	Bw1	2.5Y 4/4	none	none	FGL

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
Wetlands Hydrology Present?  
Hydric Soils Present?

Yes No  
Yes No  
Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Upland B - SW  
 NR 340  
 Survey Data # w/ NR 25

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY				
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td>Yes <input checked="" type="radio"/> No *</td> <td>Yes <input checked="" type="radio"/> No *</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes <input checked="" type="radio"/> No *	Yes <input checked="" type="radio"/> No *
<input checked="" type="radio"/> Yes	<input type="radio"/> No				
Yes <input checked="" type="radio"/> No *	Yes <input checked="" type="radio"/> No *				
Community ID: PFO Disturbed Transect ID: Plot ID: UG AR 040-01 857					

**VEGETATION**

\* Recently logged area (7/17/06)

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 20.5 Vine: 6

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple 1	Tree	FAC	9.		
2. Yellow Birch 2	Tree	FAC	10.		
3. Balsam Fir 3	Tree	FAC	11.		
4. White Cedar 4	Tree	FACW	12.		
5. Bitter Cherry	Tree	FACW	13.		
6. Sugar Maple	Tree	FACW	14.		
7. Balsam Fir 5	Shrub	FAC	15.		
8. New York Fern 6	Herb	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/8 = 75

Remarks: Recently logged forest

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): >12 Depth to Saturated Soil (in.): >12	
Remarks:	

Upland

Date: 7/12/02  
Community ID: PFD-DIST.  
Plot ID:

UG- NR 940 A1 - 822

**SOILS**

Map Unit Name  
(Series and Phase): N/A

Taxonomy (SubGroup): N/A

Drainage Class: MWD

Field Observations  
Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	top	10YR 3/2	None	None	FSL
3-12	Bw1	10YR 4/4	None	None	FSL

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
Wetlands Hydrology Present?  
Hydric Soils Present?

Yes No  
Yes No  
Yes No

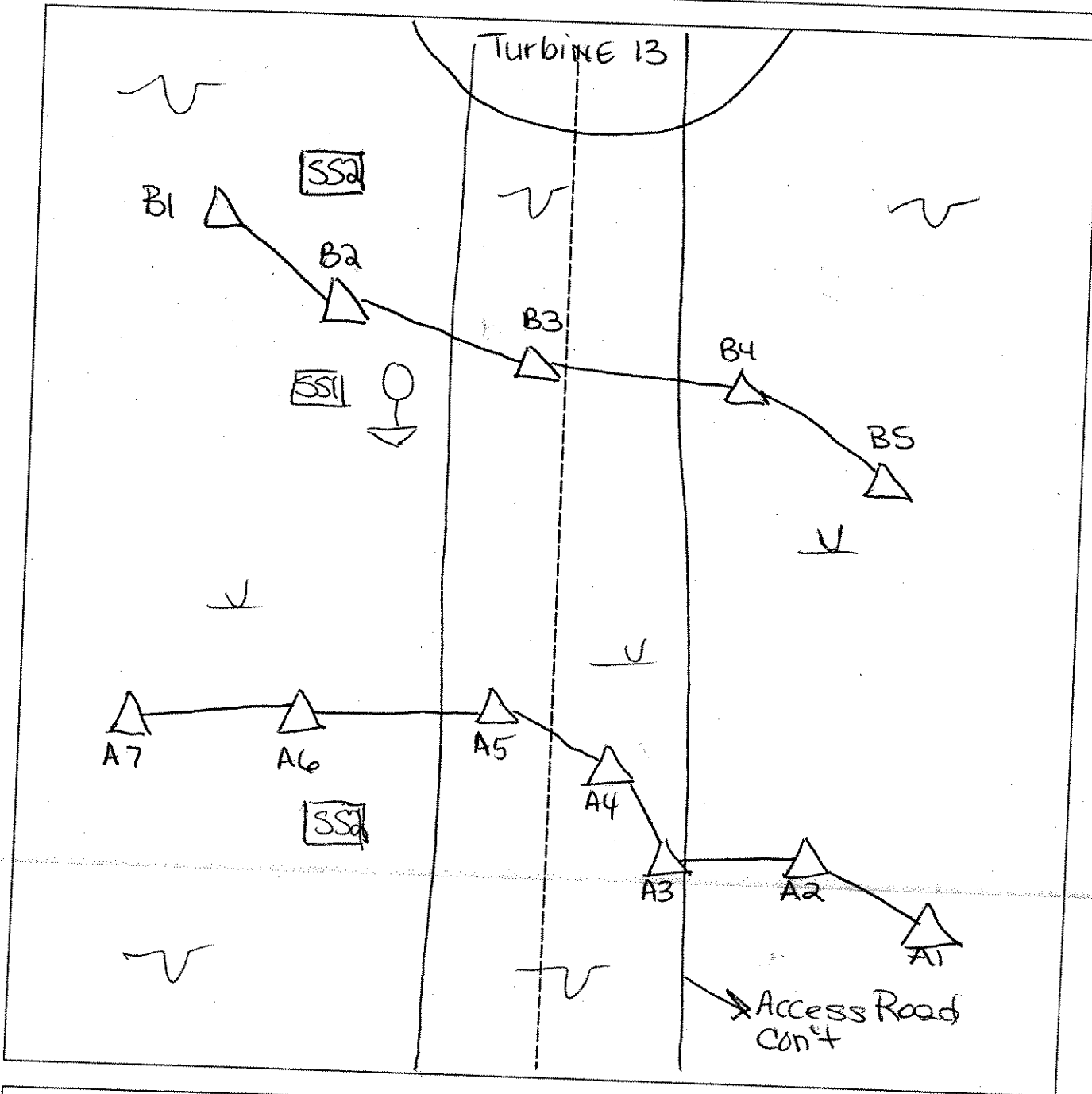
Is this Sample Station Point Within a Wetland? Yes No

Remarks

AR040A/B

SKETCH FORM

Wetland ID/Route #: <del>AR040A/B</del>		Date: 7-18-06	Time:
Intials of Delineators: BR		Location: Access road to turbine 13	
Roll #:	Frames: #107 <del>#105</del> A/B SSI => SW		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Wetland A-series  
D12 941 - 951  
DG A-72A8

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BRZ	Date: 7/19/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: FAD Transect ID: Plot ID: D12 941 951

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 20.5 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Balsam Fir 1	Tree	FAC	9. Sugar Maple	Shrub	FACW
2. Hemlock *	Tree	FACV	10. Red (Tun)	Herb	FACW
3. White Ash	Tree	FACV	11. Sensitive Fern	Herb	FACW
4. Yellow Birch 2	Tree	FAC	12. Bugleweed	Herb	FACW
5. Red Maple 3	Tree	FAC	13. Nut Fern	Herb	FAC
6. Sugar Maple	Tree	FACV	14.		
7. Hemlock *	Shrub	FACV	15.		
8. Balsam Fir 4	Shrub	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 8/13					
Remarks: * Hemlock shallow root					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): 0  Depth to Free Standing Water in Pit (in.): 6"  Depth to Saturated Soil (in.): 6"	
Remarks: adjacent intermittent stream	

Wetland

Date: 7/19/06  
Community ID: PFO  
Plot ID:

DR 941 - 881

**SOILS**

Map Unit Name (Series and Phase): w/a	Drainage Class: PD
Taxonomy (SubGroup): U/X	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/1	none	none	FSL
12-18"	Bw <sub>1</sub>	10YR 5/1	none	none	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Upland A Series  
A 2 941 - 882  
UG A-7 2 D8

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BR</u>	Date: <u>7/19/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>260</u> Transect ID: Plot ID: <u>A 2 941 - 882</u>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 85.5 Shrub: 0 Herb: 10.5 Vine: 2

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam Poplar</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Ash</u>	<u>Tree</u>	<u>FACU</u>	10.		
3. <u>Yellow Birch</u>	<u>Tree</u>	<u>FAC</u>	11.		
4. <u>Sugar Maple</u>	<u>Tree</u>	<u>FACU</u>	12.		
5. <u>Christmas Fern</u>	<u>Herb</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/5 = 40

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>&gt; 0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 10"</u> Depth to Saturated Soil (in.): <u>&gt; 10"</u>	
Remarks:	

Upland

Date: 7/19/06  
Community ID: PFO  
Plot ID:

D2941-852

**SOILS**

Map Unit Name (Series and Phase): N10	Drainage Class: WD
Taxonomy (SubGroup): N12	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	Ap	10YR 3/2	None	None	FE
4-10	Bw1	10YR 4/6	None	None	FE

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
Extremely Rocky

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BZ</u>	Date: <u>7/19/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>250</u> Transect ID: Plot ID: <u>02941-551</u>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 38.0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Yellow Birch 1	Tree	FAC	9.		
2. Hemlock *	Tree	FACU	10.		
3. Highbush	Tree	FACU	11.		
4. Balsam fir 2	Tree	FAC	12.		
5. NY Fern 3	Herb	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $3/5 = 60$

Remarks: \* Hemlock Shallow Roots

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines  <input checked="" type="checkbox"/> Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>0</u>          Depth to Free Standing Water in Pit (in.): <u>&gt; 12"</u>          Depth to Saturated Soil (in.): <u>&gt; 12"</u></p>	
Remarks:	

Wetland

B Series

Date: 7/19/06  
Community ID: R2 941-851  
Plot ID:

SOILS

Map Unit Name  
(Series and Phase): N/A  
Taxonomy (SubGroup): N/A

Drainage Class: PD  
Field Observations  
Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	AD	10YR 3/1	None	None	FBL
6-12	Am	10YR 4/2	10YR 6/3	Few/med/Dis	FBL

- Hydro Soil Indicators
- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/19/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: D50 Transect ID: Plot ID: AR941 582

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: 85.5	Shrub: 3.0	Herb: 38.0	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	Tree	FACW	9.		
2. Baldpate	Tree	FAC	10.		
3. Beech	Tree	FACW	11.		
4. Hornbeam	Tree	FACW	12.		
5. Black Cherry	Sap	FACW	13.		
6. Canada Mayflower	Herb	FAC-	14.		
7. NY Fern	Herb	FAC	15.		
8. Tree-line Clubmoss	Herb	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):				2/8 = 25	
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: none Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): > 0"  Depth to Free Standing Water in Pit (in.): > 12"  Depth to Saturated Soil (in.): > 12"	
Remarks:	

Upland B Series

Date: 7/19/06  
 Community ID: PR 941-882  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase): <i>N/A</i>		Drainage Class: <i>WWD</i>			
Taxonomy (SubGroup): <i>N/A</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-6</i>	<i>A<sub>p</sub></i>	<i>10YR 3/2</i>	<i>None</i>	<i>None</i>	<i>ESL</i>
<i>6-12</i>	<i>B<sub>w1</sub></i>	<i>10YR 4/6</i>	<i>None</i>	<i>None</i>	<i>ESL</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

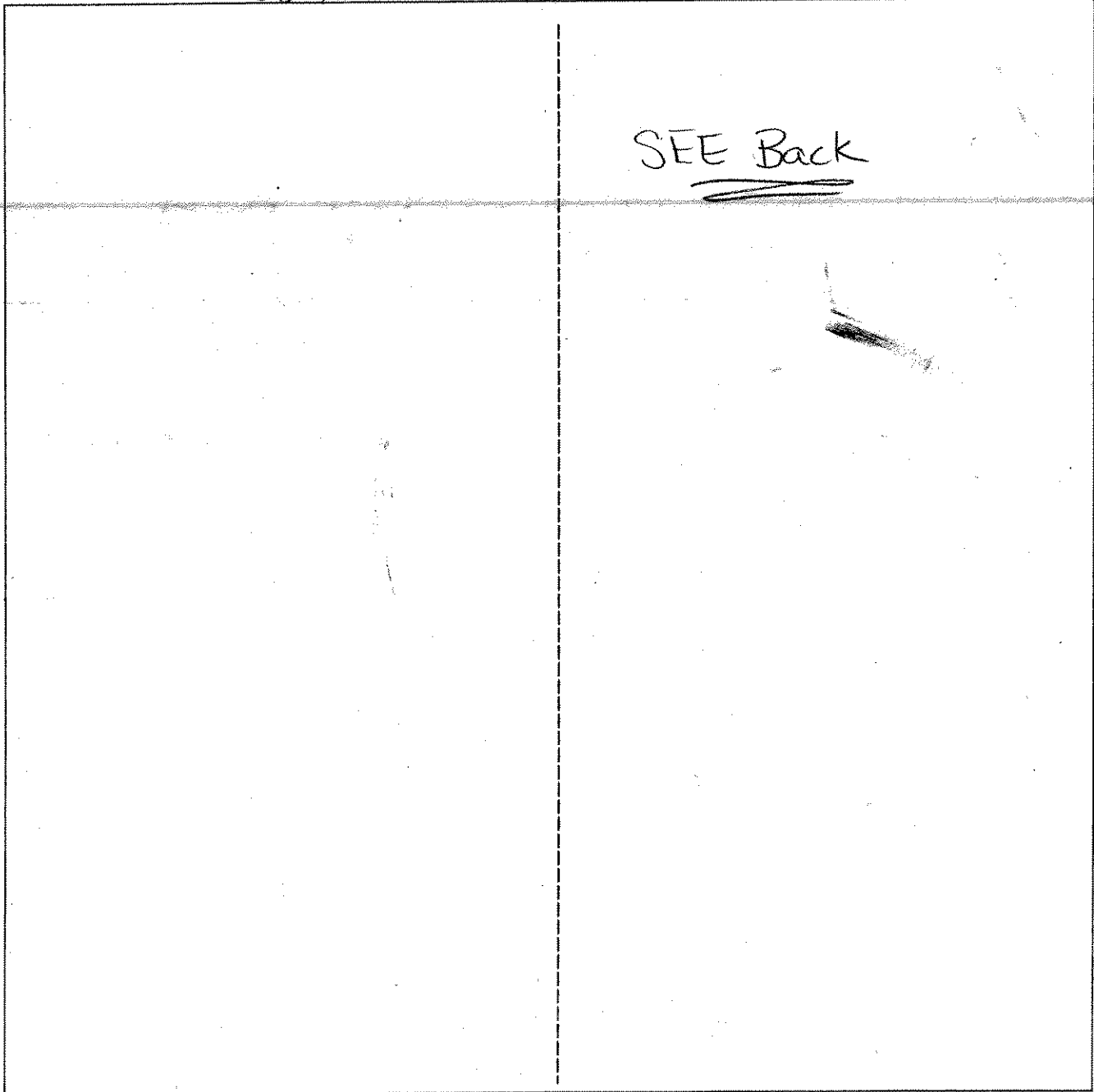
**WETLAND DETERMINATION**









Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

AR941, IC942

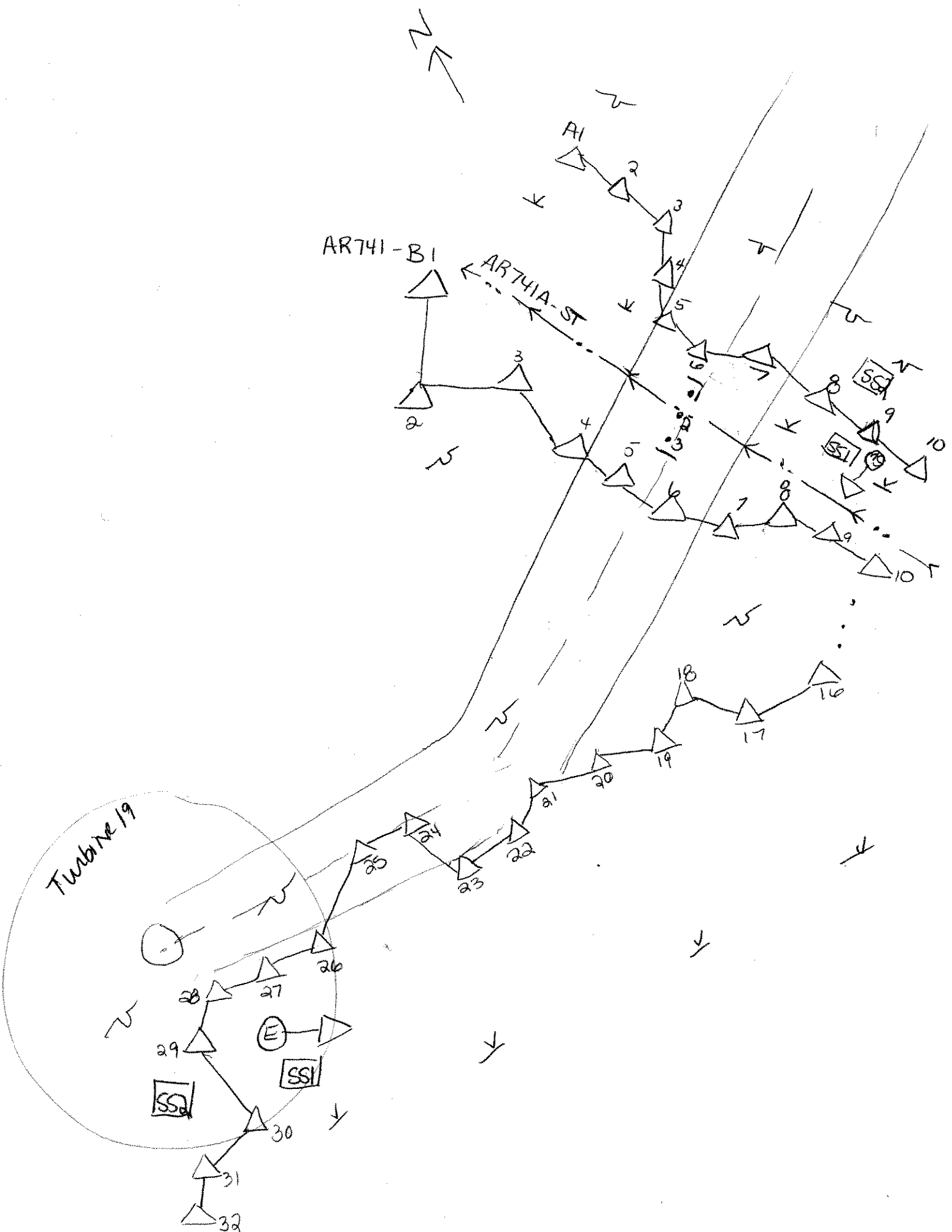
SKETCH FORM

Wetland ID/Route #: AR941A/B	Date: 7-19-06	Time:
Initials of Delineators: BR	Location: Access Road to turbine 19	
Roll #: #106 =>	Frames: SW at 941A SSI	#107 AR941B => E
#105 AR941S1 => NW		



<b>Legend</b>	
 Photo Location/Direction	 Wetland
 Sample Station	 Upland
 Centerline	 Stream
 Flag	 Intermittent Stream







**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BT</i>	Date: <i>5/23/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>WETLAND</i> Transect ID: <i>AR941B</i> Plot ID: <i>SS5</i>							

**VEGETATION** *PFO ON EDGE OF PSS*

Plant Community Classification:  
Percent Canopy Cover: Tree: *60* Shrub: *25* Herb: *80* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Speckled Alder</i>	<i>S</i>	<i>FACW+</i>	10.		
3. <i>Scribble fern</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Edible fern</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>ASTER sp</i>	<i>H</i>		13.		
6. <i>NARAY sp</i>	<i>H</i>		14.		
7. <i>MEADOW Sweet (OBL)</i>	<i>S</i>	<i>FAC+</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *6/8 = 75%*

Remarks: *SCATTERED BALSAM fir*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2" in places</i> Depth to Free Standing Water in Pit (in.): <i>21"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 5/23/07  
 Community ID: AR94173  
 Plot ID: 555

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	7.5YR 3/1	—	—	Silty loam
5-10	B <sub>1</sub>	10YR 6/1	—	—	CLAY loam
10-14	B <sub>2</sub>	7.5Y 5/4	—	—	CLAY

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

(Recessed w/ Auger at 14")

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	NOT ISOLATED	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RD</i>	Date: 5/23/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLM</i> Transect ID: <i>AR941B</i> Plot ID: <i>SS6</i>							

**VEGETATION** *UPLAND Decid/Conifer Mix FOREST*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85%</i> Shrub: <i>45%</i> Herb: <i>60%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BALSAM FIR</i>	<i>T/S</i>	<i>FAC</i>	9. <i>MOHAWK WOOD</i>	<i>S</i>	<i>FAC+</i>
2. <i>RED MAPLE</i>	<i>T/S</i>	<i>FAC</i>	10. <i>ALB BIRCH</i>	<i>H</i>	<i>NI</i>
3. <i>GRAY BIRCH</i>	<i>T/S</i>	<i>FAC</i>	11. <i>BIRCH</i>	<i>S</i>	<i>FACU</i>
4. <i>ASPEN QUAKING</i>	<i>T</i>	<i>FACU</i>	12.		
5. <i>GOLD THREAD</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>CANADA MAYFLOWER</i>	<i>H</i>	<i>FAC-</i>	14.		
7. <i>WHITLED WOOD ASH</i>	<i>H</i>	<i>UPL</i>	15.		
8. <i>SUGAR MAPLE</i>	<i>H</i>	<i>FACU-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>8/14 = 57%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 5/23/07  
 Community ID: URA 101  
 Plot ID: AR941B-556

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	10YR 5/2	Few (med) Faint	LOAM
6-12	B	10YR 3/2	60% 10YR 6/1		CLAY LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*Region of Aque 12"*

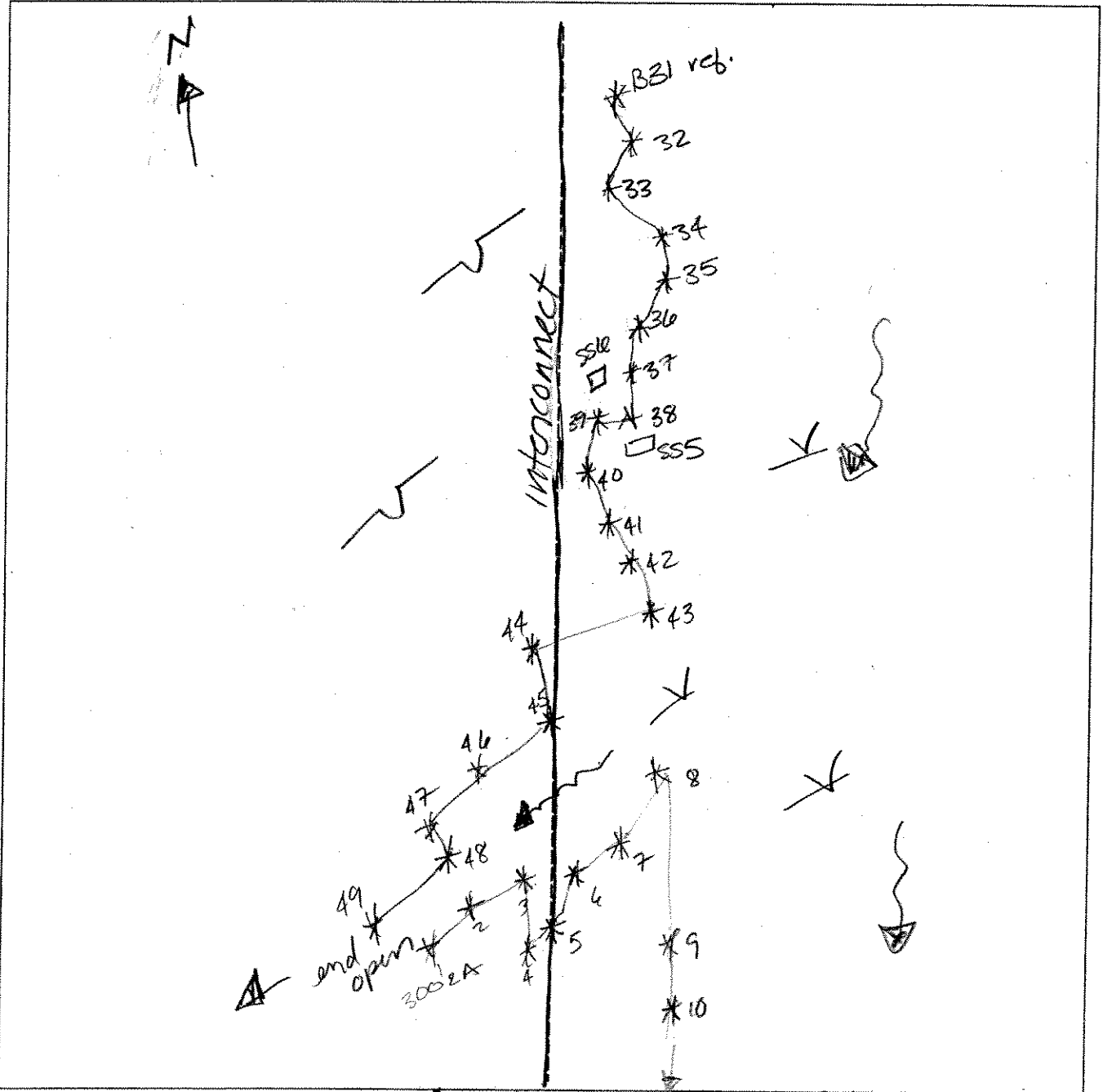
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR941B</b>	Date: <b>5/23/07</b>	Time:
Initials of Delineators: <b>RD AP</b>	Location:	
Roll #:	Frames:	



Continue on 3002A sketch

Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>2200</i>	Date: <i>5/23/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WPLAND</i> Transect ID: <i>IC3000A</i> Plot ID: <i>SS2</i>

**VEGETATION**

*WPLAND FULCRUM*

Plant Community Classification: <i>WPLAND FULCRUM</i>					
Percent Canopy Cover: Tree: <i>75%</i> Shrub: <i>30%</i> Herb: <i>70%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED APPLE</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>DOG BIL</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>DOG BIL</i>	<i>T</i>	<i>FACW</i>	11.		
4. <i>MARSH WHEAT</i>	<i>S</i>	<i>FAC+</i>	12.		
5. <i>CHERRY</i>	<i>S</i>	<i>FACU</i>	13.		
6. <i>X-MARSH GRASS</i>	<i>H</i>	<i>FACU-</i>	14.		
7. <i>IRRAWADDI</i>	<i>S</i>		15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>4/7 = 57%</i>					
Remarks: <i>VEG MARSHAL - TRANSITION</i>					

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
Field Observations:	
Depth of Surface Water (in.): <i>N/A</i>	Depth to Free Standing Water in Pit (in.): <i>10"</i>
Depth to Saturated Soil (in.): <i>0"</i>	Remarks:

Date: 5/23/07  
 Community ID: UPLAND  
 Plot ID: IC 3000A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	—	—	LOAM
8-12	A	10YR 2/1	2.5Y 5/4	com/med/fine	SILT LOAM

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks:

**WETLAND DETERMINATION**

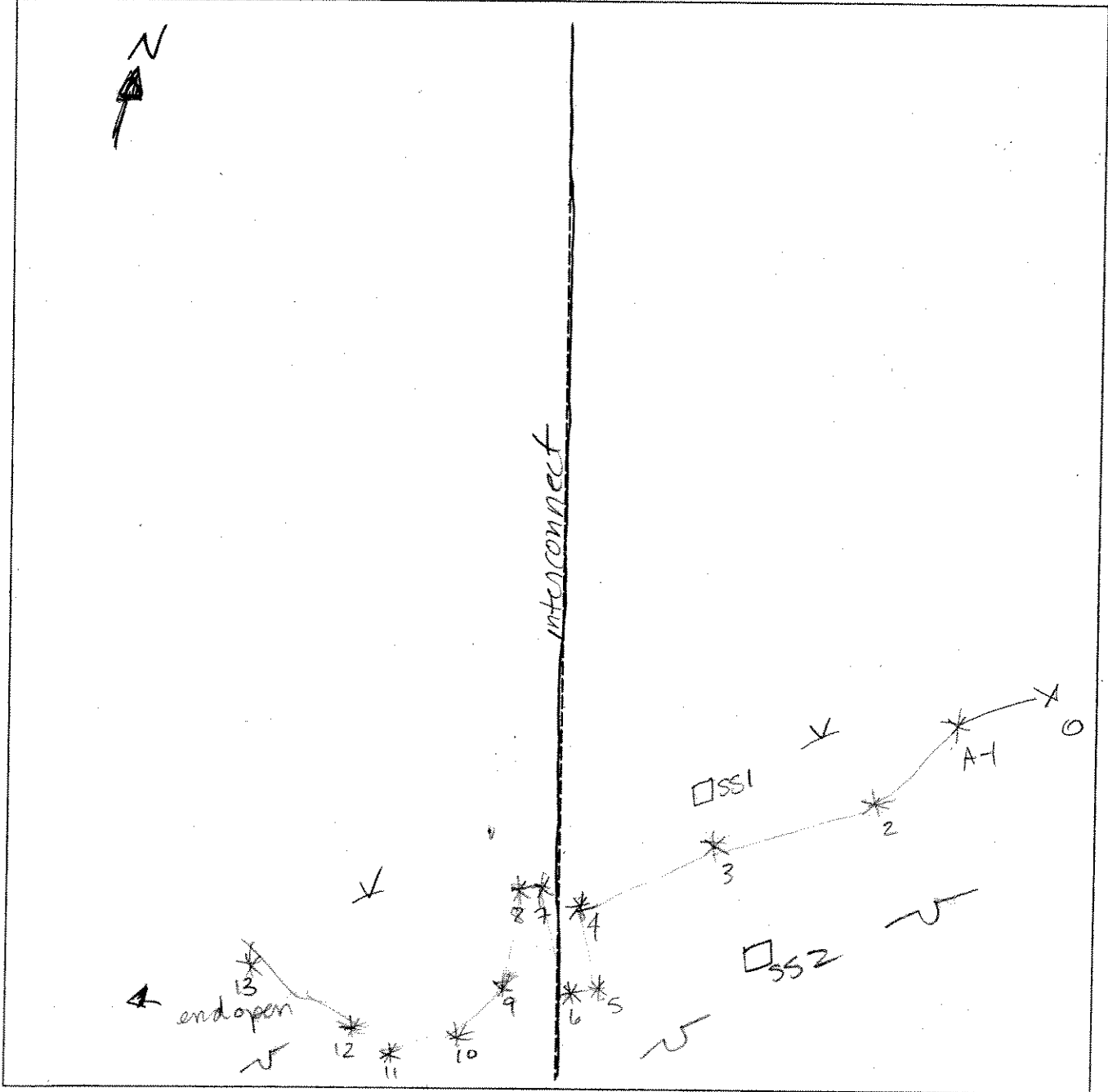
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks: Transition Area

SKETCH FORM

PART OF AR941, IC942

Wetland ID/Route #: IC3000A	Date: 5/28/07	Time:
Initials of Delineators: RD AP	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>ATD</i>	Date: <i>8/3/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Wetland Transect ID: <i>IC 3001A</i> Plot ID: <i>SS1</i>

**VEGETATION** *PSS*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>20%</i> Shrub: <i>90%</i> Herb: <i>90%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED OAK</i>	<i>S</i>	<i>FACW+</i>	9. <i>SILKY WILLOW</i>	<i>S</i>	<i>OBL</i>
2. <i>MORNING GLORY</i>	<i>H</i>	<i>OBL</i>	10. <i>MEADOW SWEET</i>	<i>S</i>	<i>FAC+</i>
3. <i>ADIX SP</i>	<i>H-1</i>		11. <i>SPRING BURN</i>	<i>T</i>	<i>FAC</i>
4. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	12. <i>RED MAPLE</i>	<i>T</i>	<i>FAC</i>
5. <i>SPRING (PERITHON)</i>	<i>H</i>		13.		
6. <i>JEWEL WOOD</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>ASTER SP</i>	<i>H</i>		15.		
8. <i>TRAIL WILLOW</i>	<i>S</i>	<i>FACW</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *9/12 = 75%*

Remarks:  
*Undisturbed wetland / High Quality*

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>2" in places</i> Depth to Free Standing Water in Pit (in.): <i>3"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 5/23/07  
 Community ID: WETA  
 Plot ID: LC3002A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1			Silt loam
8-14	B	5Y 5/3	80%L		CLAY
		2.5Y 4/4	70%L		

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

\* Organic staining

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	NOT WETLAND Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>                    </u>	Date: <u>5/23/07</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>UPLAND</u> Transect ID: <u>IC 3001 A</u> Plot ID: <u>SS2</u>							

**VEGETATION**

UPLAND Decid / Conifer Mix

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>65%</u>	Shrub: <u>50%</u>	Herb: <u>50%</u>	Vine: <u>X</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED maple</u>	<u>T/S/H</u>	<u>FAC</u>	9.		
2. <u>TALLEN FR</u>	<u>T/H</u>	<u>FAC</u>	10.		
3. <u>Black cherry</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>S. ASDRA</u>	<u>T/S</u>	<u>FACU</u>	12.		
5. <u>SECURIDUM</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>MEADUM Sweet</u>	<u>S</u>	<u>FAC+</u>	14.		
7. <u>ADAMANTUM</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>BROMBUM</u>	<u>H</u>	<u>FAC-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>7/13 = 54%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

2002. 11. 10. 17. 1991

Date: 5/23/07  
Community ID: Uplands  
Plot ID:

IC300 1-SSQ

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Reference of Azon at 6"*

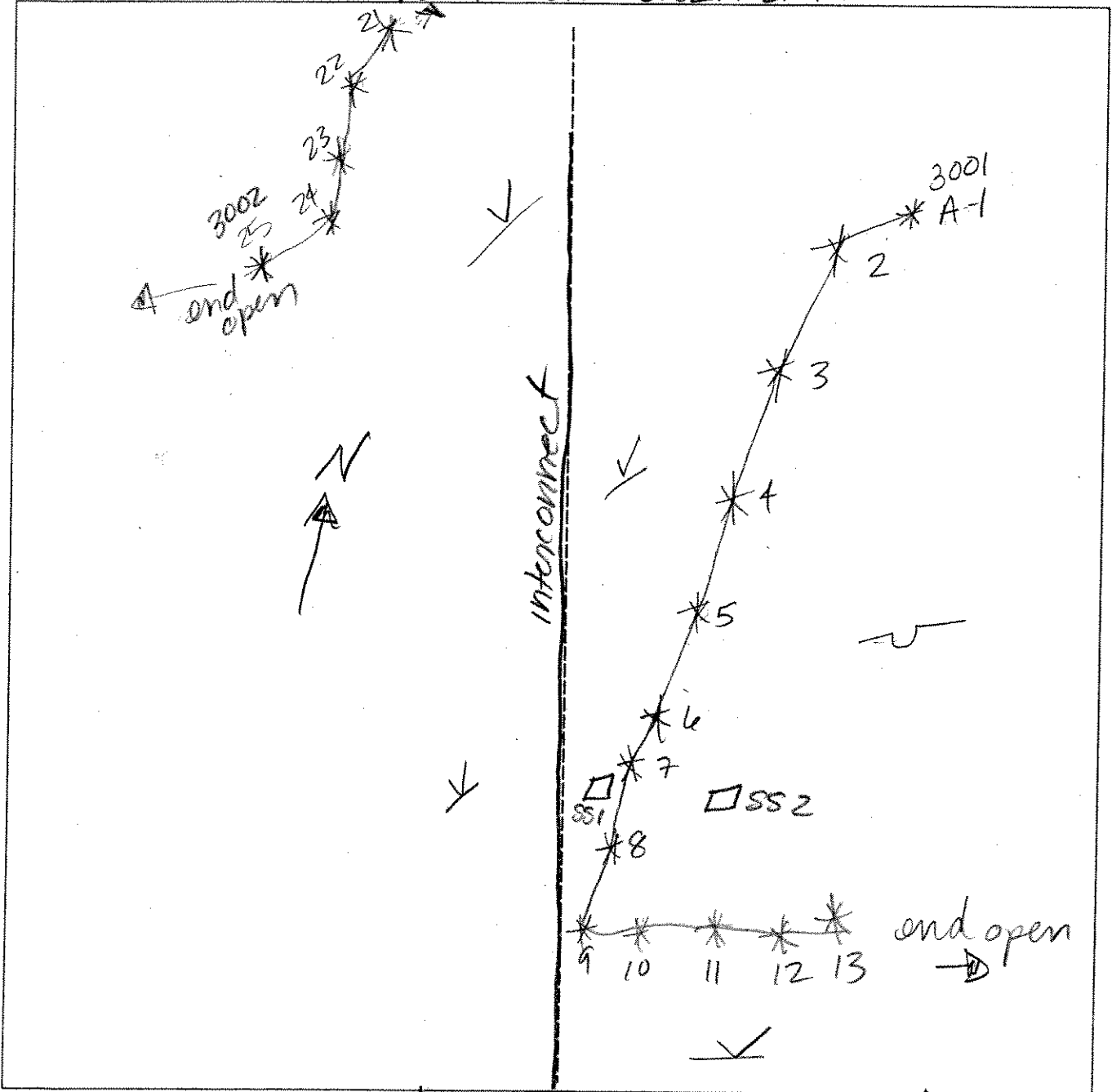
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks: *Wetland*

Wetland ID/Route #: IC3001A	Date: 5/23/07	Time:
Initials of Delineators: RID AP	Location:	
Roll #:	Frames:	

+ continue on IC3002A sketch



+ continue on IC3000A sketch

Legend	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
∨	Wetland
~	Upland
—	Stream
- - -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BTJ</i>	Date: <i>5/23/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WORMJ</i> Transect ID: <i>IC3002A</i> Plot ID: <i>SS1</i>

**VEGETATION** *PSS*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>10%</i> Shrub: <i>90%</i> Herb: <i>90%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>AMARILLO FL</i>	<i>T</i>	<i>FACW-</i>	9. <i>FASTED SP</i>	<i>H</i>	
2. <i>SPECKLED AIDR</i>	<i>S</i>	<i>FACW+</i>	10. <i>ADIRY SP</i>	<i>H</i>	
3. <i>MEADOW SWEET</i>	<i>S</i>	<i>FAC+</i>	11. <i>TRAIL WILLOW</i>	<i>S</i>	<i>FACW</i>
4. <i>GRAY DITCH</i>	<i>T</i>	<i>FAC</i>	12. <i>RED OILY DYKERS</i>	<i>S</i>	<i>FACW+</i>
5. <i>SILVER WILLOW</i>	<i>S</i>	<i>OBL</i>	13.		
6. <i>SENSITIVE TREE</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>MORNING MARY GOLD</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>EQUISETUM</i>	<i>H</i>	<i>FACW</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>10/12 = 83%</i>					
Remarks: <div style="font-size: 1.2em; margin-top: 10px;"><i>NO EVIDENCE RECENT DISTURBANCE - HIGH DENSITY WETLAND</i></div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>6" in places</i> Depth to Free Standing Water in Pit (in.): <i>0" ill</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 5/23/07  
 Community ID: JC 3002 A  
 Plot ID: SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1	—	—	ORGANICS
3-7	A	2.5Y 4/1	—	—	CLAY *
7-14	B	2.5Y 5/1	—	—	SANDY CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Replication of Auger AT 14"  
 \* includes chunks of reddish organics

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	NOT ISOLATED	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No		
Hydric Soils Present?	Yes No		

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>ADD</u>	Date: <u>5/23/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: Plot ID: <u>IC3000A</u> <u>551</u>

**VEGETATION**Plant Community Classification: PDFI

Percent Canopy Cover:

Tree: 75% Shrub: 25% Herb: 90% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T/S</u>	<u>FAC</u>	9. <u>TELEWOOD</u>	<u>H</u>	<u>FACW</u>
2. <u>TUPLO (sylvatica)?</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>SPECIFIED AIDER</u>	<u>S</u>	<u>FACW+</u>	11.		
4. <u>HOP HORN BEAN</u>	<u>T</u>	<u>FACU-</u>	12.		
5. <u>SCORPION TERN</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>MAPLE SP</u>	<u>H</u>		14.		
7. <u>AIDER SP</u>	<u>H</u>		15.		
8. <u>BROADW SWEET</u>	<u>S</u>	<u>FAC+</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/11 = 54%

Remarks: GOOD Quality FOCUSED WETLAND  
NO EVIDENCE OF RECENT LOGGING - TREES 4-12" DBH

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input checked="" type="checkbox"/> Water Marks - <u>on TREES.</u></p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>1"</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>0"</u></p> <p>Depth to Saturated Soil (in.): <u>0"</u></p>	
<p>Remarks:</p>	



Date: 5/23/02  
 Community ID: PFO1  
 Plot ID: IC3000A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	7.5YR2/2.5/1	—	—	Silty Clay lam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor (slight)      | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

— Very Rocky  
 — Refusal of Ayr at 48"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

NOT ISOLATED  
 Is this Sample Station Point Within a Wetland? Yes No

**Remarks**

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>AS</i>	Date: <i>5/23/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <i>UPLAD</i> Transect ID: <i>IC3002A</i> Plot ID: <i>552</i>

**VEGETATION** *UPLAD Conifer/Decid mix Forest*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *85%* Shrub: *40%* Herb: *40%* Vine: *8*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>ROSBAR TIA</i>	<i>T/S</i>	<i>FAC</i>	<i>9.</i>		
<i>GRAY Birch</i>	<i>T/S</i>	<i>FAC</i>	<i>10.</i>		
<i>RED maple</i>	<i>T</i>	<i>FAC</i>	<i>11.</i>		
<i>SPRAWLER</i>	<i>F</i>	<i>FAC</i>	<i>12.</i>		
<i>LEARN AS</i>	<i>H</i>		<i>13.</i>		
<i>Rough Stemmed B. Red</i>	<i>H</i>	<i>FAC</i>	<i>14.</i>		
<i>DOGWOOD</i>	<i>H</i>	<i>FACU</i>	<i>15.</i>		
<i>White Wood Aster</i>	<i>H</i>	<i>UPL</i>	<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *T/I/O = 70%*

Remarks:

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Soil ID: 100247 100248

Date: 5/23/07  
 Community ID: upland  
 Plot ID: JC 3002A - S52

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	7.5YR 7/1	2.5YR 6/3	Dist/Few/Fine	Silt loam
5-16	B	10YR 5/6	5YR 4/1		Sandy clay loam
		2.5Y 5/4	5Y 4/1		

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

Refract of Bgr A7 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

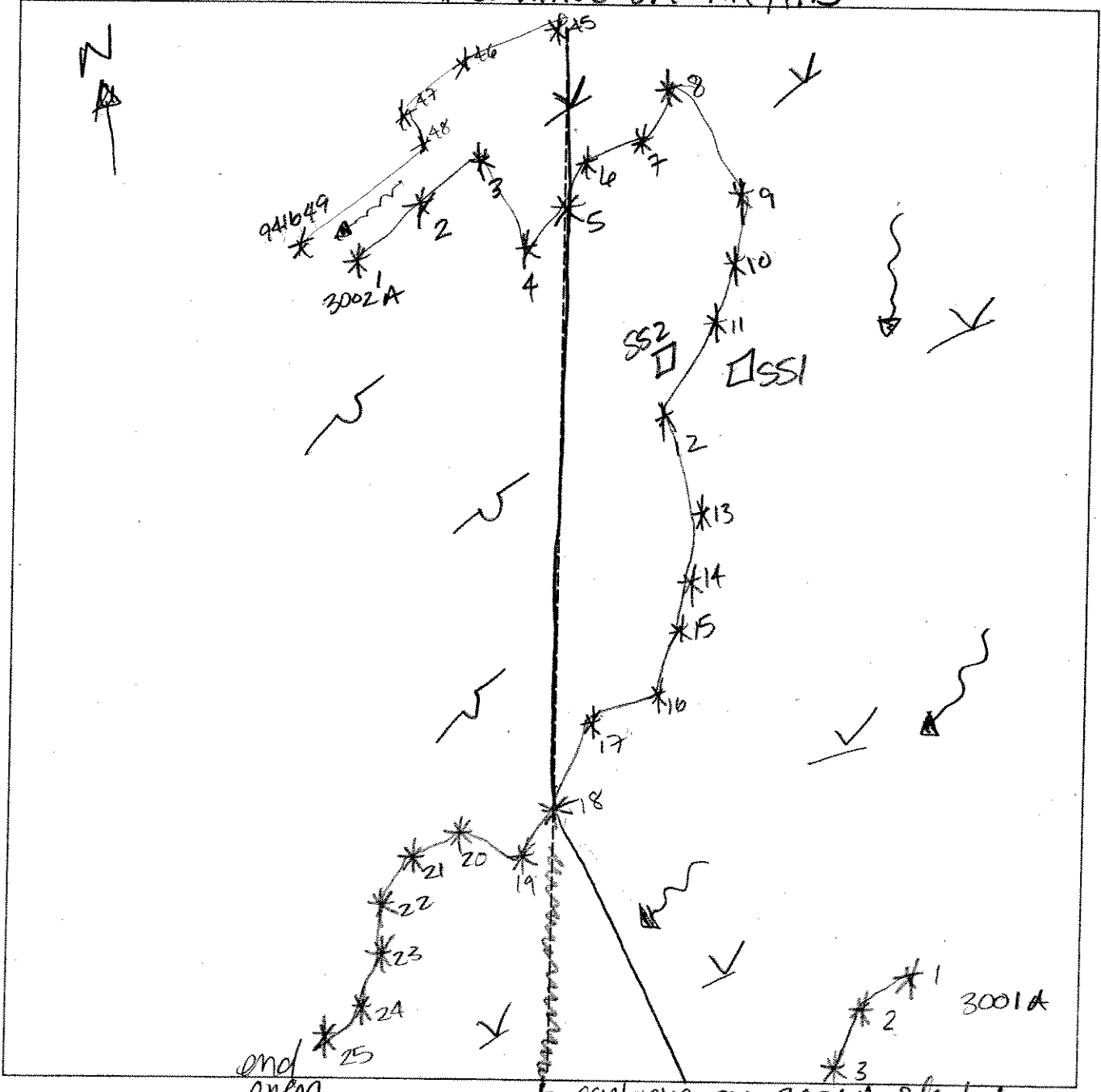
**Remarks**

SKETCH FORM

PART OF AR941, IC942

Wetland ID/Route #: <b>IC3002A</b>	Date: <b>5/23/07</b>	Time:
Initials of Delineators: <b>RD</b> <b>APD</b>	Location:	
Roll #:	Frames:	

+ continue on AR941B



+ continue on 3001A sketch

Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AP941, IC942

wetland

Shared IC 942 w/ A2B Series

SS 1

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BZ	Date: 7/20/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: 750 Transect ID: Plot ID: IC 942 A/B Shared

PG BZ/A9 wetland Plate

VEGETATION

Plant Community Classification:  
Percent Canopy Cover: Tree: 85.6 Shrub: 0 Herb: 38.0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	Tree	FAC	9.		
2. Sugar Maple	Tree	FAC	10.		
3. Balsam Fir	Tree	FAC	11.		
4. Dm. Elm	Tree	FAC	12.		
5. NY Fern	Herb	FAC	13.		
6. Sensitive Fern	Herb	FAC	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/6 = 83

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): 0  Depth to Free Standing Water in Pit (in.): > 12"  Depth to Saturated Soil (in.): > 12"	
Remarks: wetland associated w/ intermittent stream	

Date: 7/20/06  
 Community ID: PD  
 Plot ID:

SSI Wetland Shared Data Pt w/ IC94210/B

**SOILS**

Map Unit Name  
 (Series and Phase): N/A

Drainage Class: PD

Taxonomy (SubGroup): N/A

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	BP	10YR 3/1	none	none	FSL
6-12	BW <sub>1</sub>	10YR 4/2	10YR 6/8	Few/med/Dist.	FSL

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Extremely Rocky.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks

Stream w/ bordering wetland

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/20/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PFO Transect ID: Plot ID: IC 942 A - Series

**VEGETATION**

U.G A9 852A-upland

Plant Community Classification:

Percent Canopy Cover: Tree: 85.5 Shrub: 0 Herb: 10.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Beech	Tree	FACW	9.		
2. Sugar Maple	Tree	FACU	10.		
3. Baldwin Elm	Tree	FAC	11.		
4. Canadian Mayflower	Herb	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $1/4 = 25$

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: none Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): >14' Depth to Saturated Soil (in.): >14"	
Remarks:	

Date: 7/20/06  
 Community ID: PFO  
 Plot ID: 861A  
 I2942A Series Upland

**SOILS**

Map Unit Name \_\_\_\_\_ Drainage Class: **WD**  
 (Series and Phase): **N/A**  
 Taxonomy (SubGroup): **N/A** Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	top	10YR 3/1	None	None	FBV
6-14	Bw <sub>1</sub>	10YR 4/4	None	None	FSA

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Upland -  
Shared Data Point  
IC 942A & B sub  
562-B

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BC</u>	Date: 7/20/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
	Community ID: <u>DE</u> Transect ID: Plot ID: <u>IR 942 B Series</u>

**VEGETATION**

U.6-B2      SS-2 Upland B

Plant Community Classification:  
Percent Canopy Cover:      Tree: 85.5    Shrub: 16.5    Herb: 10.5    Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sugar Maple</u>	<u>Tree</u>	<u>FACV</u>	9.		
2. <u>Baldwin's Elm</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Canada Mayflower</u>	<u>Shrub</u>	<u>FAC</u>	11.		
4. <u>Hamamelis</u>	<u>Tree</u>	<u>FACV</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/4 = 25%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>0</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 12"</u>  Depth to Saturated Soil (in.): <u>&gt; 12"</u>	
Remarks:	

Upland

Date: 2/20/06

Community ID:

Plot ID: 931-B

IC942B *Upland*

**SOILS**

Map Unit Name  
(Series and Phase): *N/A*

Drainage Class: *WD*

Taxonomy (SubGroup): *N/A*

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-6</i>	<i>Rp</i>	<i>10Y2 3/2</i>	<i>none</i>	<i>none</i>	<i>Fol</i>
<i>6-12</i>	<i>Sw<sub>1</sub></i>	<i>10Y2 6/8</i>	<i>none</i>	<i>none</i>	<i>Fol</i>

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?

Yes  No

Wetlands Hydrology Present?

Yes  No

Hydric Soils Present?

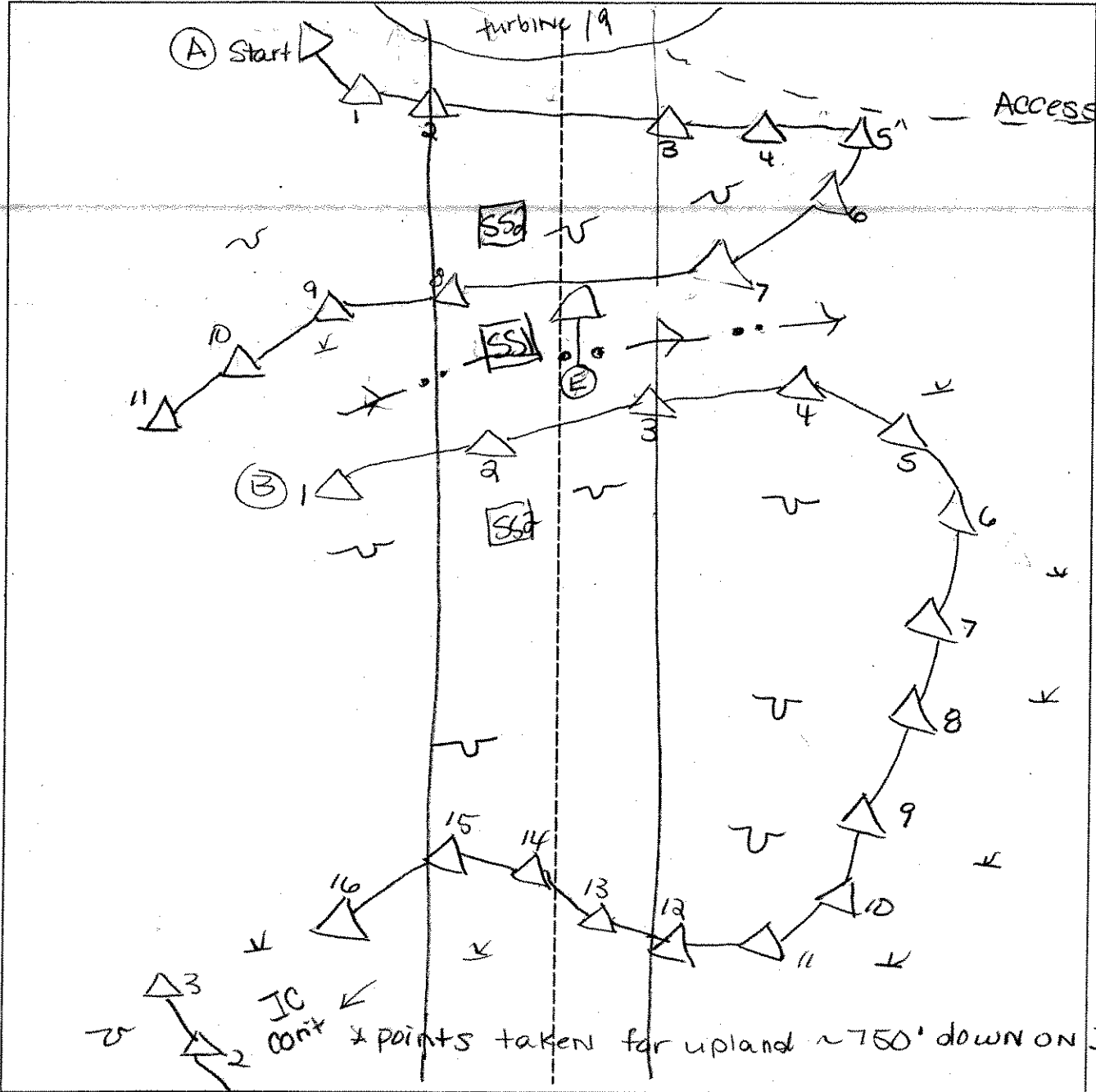
Yes  No

Is this Sample Station Point Within a Wetland? Yes  No

Remarks

SKETCH FORM

Wetland ID/Route #: IC942A/B	Date: 7-20-06	Time:
Initials of Delineators: BR	Location: Interconnect to turbine 17A+18	
Roll #:	Frames: IC942A/B - SSI => E	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

N →

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/8/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>PF04</u> Transect ID: Plot ID: <u>AR942 AB 551</u>

AR941, IC942

**VEGETATION**

Plant Community Classification: <u>FIR</u>					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>45</u> Herb: <u>60</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Picea abies</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>NW Cedar</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Masanthemum Canadense</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Carex sp</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Sphagnum moss</u> <u>&gt;50%</u>	<u>H</u>	<u>OBL</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Can not v-d to to time of year</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>1"</u>	
Remarks:	

Date: 5/18/07  
 Community ID: AR 942 AB 55  
 Plot ID: SSI

**SOILS**

Map Unit Name AR942  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1			
1-3	A	10YR 2/1	10YR 5/1	prom. fine, md.	silt
3-5	B	2.5Y 5/2			sandy clay loam
5-15	C	5Y 6/4	2.5Y 5/4	distinct, common, md	clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: organic streaking in C, saturated @ 1'

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks PHOTO G = S Q DEC WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/8/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>YES</u> No Is the site significantly disturbed (Atypical Situation)? Yes <u>NO</u> Is the area a potential Problem Area? Yes <u>NO</u> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR 94A AB 552</u>

(AR 94A, IC 942)

**VEGETATION**

Plant Community Classification: Balsam Flats  
 Percent Canopy Cover: Tree: 80 Shrub: 15 Herb: 45 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Diels balsemae</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula papyrifera</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Macranthemum canadensis H.</u>		<u>FAC</u>	11.		
4. <u>Populus grandidentata</u>			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%

Remarks: Acer rubrum litter observed

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/8/07  
 Community ID: AR942 AB 552  
 Plot ID: 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR 2.5/3			
4-5	A	10YR 2/1			silty clay
5-7	B <sub>1</sub>	5YR 2.5/2	10YR 5/2	common, distinct, md	silty clay loam
7-12	B <sub>2</sub>	10YR 4/6	10YR 5/6	many, distinct, fine	clay loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: organic streaking in B<sub>1</sub>C

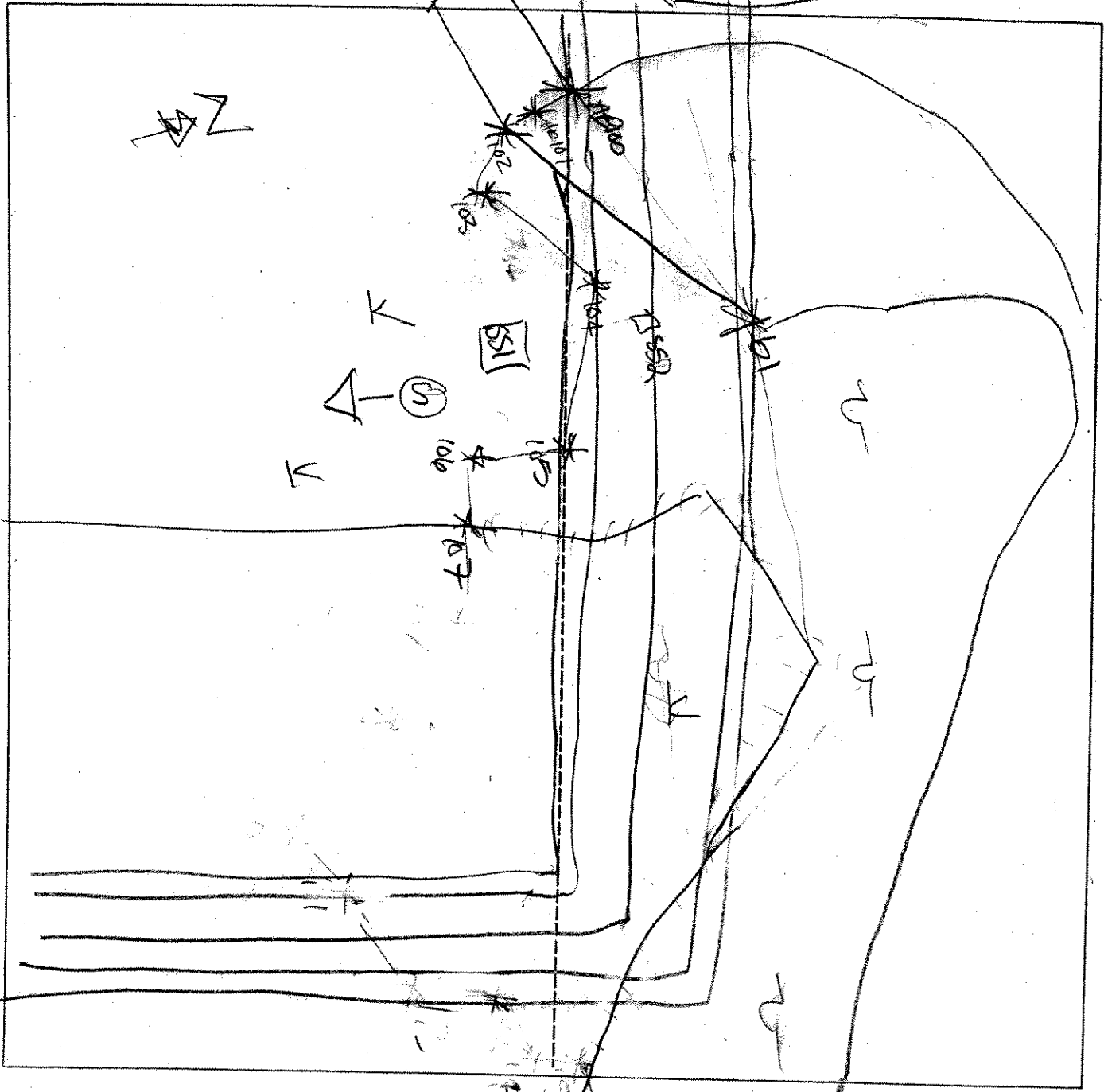
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? — Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR941, 16942 LINE EXTENSION</b>		Date: <b>5/8/07</b>	Time:
Initials of Delineators: <b>JV AP</b>		Location: <b>T. 19</b>	
Roll #:	Frames:		



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland Stream
	Centerline		Intermittent Stream
	Flag		

*E. Woods 9/11/07*



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/24/06</i> County: Clinton State: NY		
<input type="checkbox"/> Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%; border: none;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%; border: none;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR-943A-551</i>			

**VEGETATION**

Plant Community Classification: <i>PFO1</i>					
Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>75</i> Herb: <i>85</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Sphagnum Sp</i>	<i>H</i>	<i>OBL*</i>	12.		
5. <i>Grass Sp.</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Acer Rubrum</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Moss Sp.</i>	<i>H</i>	<i>-</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/7 71%</i>					
Remarks: <i>* NI - assumed OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>-</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>pit #2 - looks N</i>	

Date: 7/24/06  
 Community ID: wetland  
 Plot ID: AR 943A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-2/1	7.5YR-3/4	Common/Fine/Medium	silt loam
4-6	E	10YR-5/2			sandy loam

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

shallow bedrock - refusal at 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland?  Yes No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/24/06</i> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <i>upland</i> Transect ID: Plot ID: <i>AA993-A-552</i>			

**VEGETATION**

Plant Community Classification: <i>Deciduous - Barky/Moist Forest</i>					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>30</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Pinus strobus</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Stipa sp.</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>Quercus sp.</i>	<i>T</i>	<i>FACU</i>	12.		
5. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Brachia Fern</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>Canada-maple</i>	<i>H</i>	<i>FAC</i>	15.		
8. <i>Sphagnum</i>	<i>H</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/8 37%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

Date: 7/24/06  
 Community ID: upland  
 Plot ID: AR-943A-SS2

**SOILS**

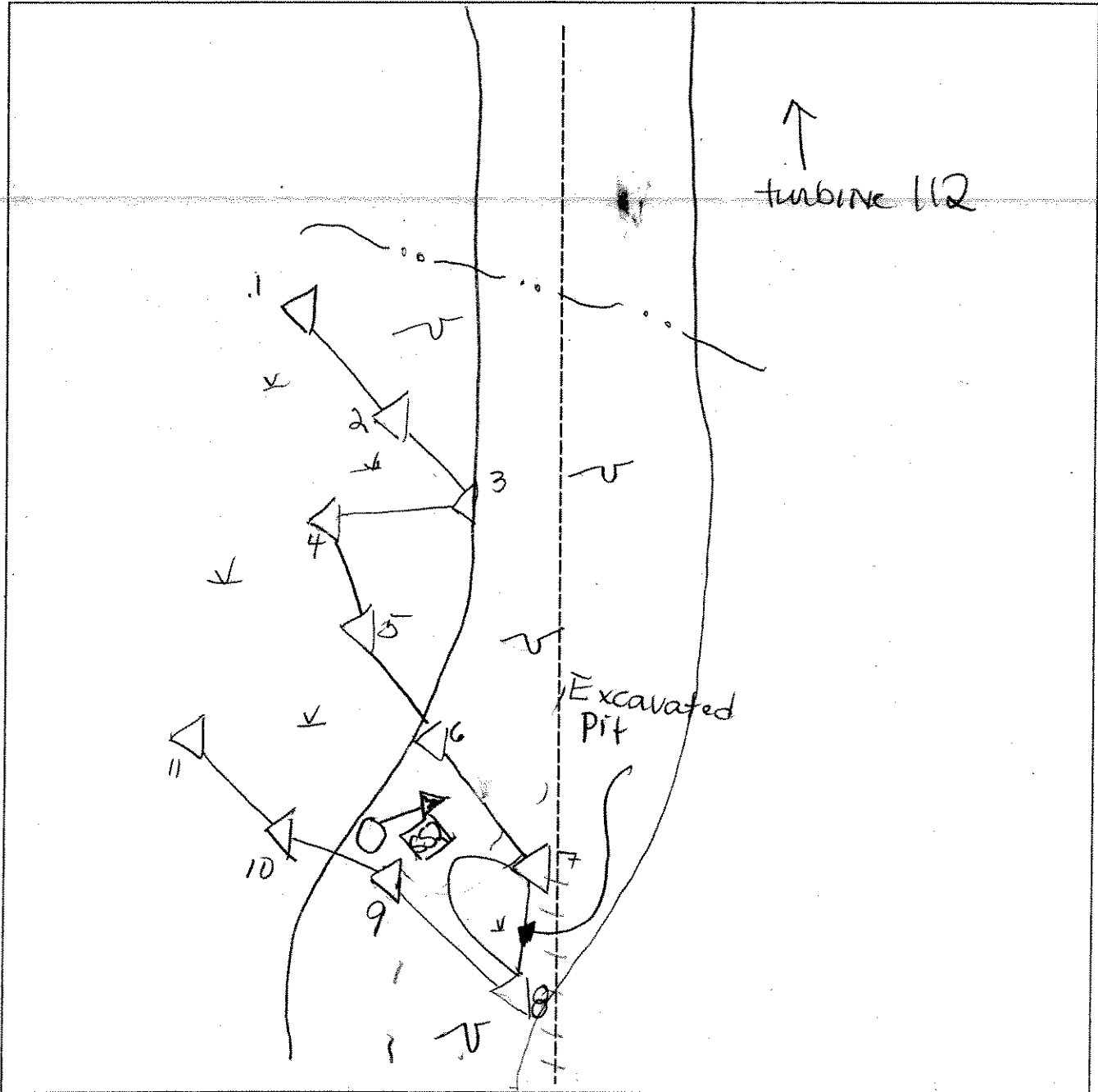
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR-5/3			organics/rocks
2-3	A	10YR-2/1			sandy loam
3-6	B	10YR-5/2			Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal of auger 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: AR 943A	Date: 7-24-00	Time:
Initials of Delineators:	Location: Access Road between Turbines S	
Roll #: KH	Frames:	112 and 114.



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
	N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KIT, JV</i>	Date: <i>7/27/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> </table>	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>MR-945A-SSI</i>							

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>10</i> Herb: <i>50</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	9.		
2. <i>Redon Sweet</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>MOSS sp.</i>	<i>H</i>	-	11.		
4. <i>Grass sp.</i>	<i>H</i>	*	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>* see bag</i> <i>Appears to be man-made ditch-</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>-</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>4</i>	
Remarks: <i>pix #5 looks N C SSI</i>	

Date: 7/24/06  
 Community ID: wetland  
 Plot ID: RA-945A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			loam
1-8	A	7.5YR-3/3		common / well / fine	sandy loam
8-18	E	10YR-5/2	7.5YR-4/6	Few / coarse / distinct	sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: - depleted matrix in A layer					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM /  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/14/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>upland</i> Transect ID: Plot ID: <i>AM-945A-SSA</i>							

**VEGETATION**

Plant Community Classification: <i>Beach-Maple Forest</i>					
Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>70</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Representative Plot - see AM-943A-SSA - similar data.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <input type="text"/> — Depth to Free Standing Water in Pit (in.): <input type="text"/> — Depth to Saturated Soil (in.): <input type="text"/> —	
Remarks:	



Date: 7/24/06  
 Community ID: upland  
 Plot ID: AA-945A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth  
 (Inches)

Horizon

Matrix Color  
 (Munsell Moist)

Mottle Colors  
 (Munsell Moist)

Mottles  
 Abundance/Size/  
 Contrast

Texture, Concretions,  
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Representative plot - see AA-943A-SS2 data sheet

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

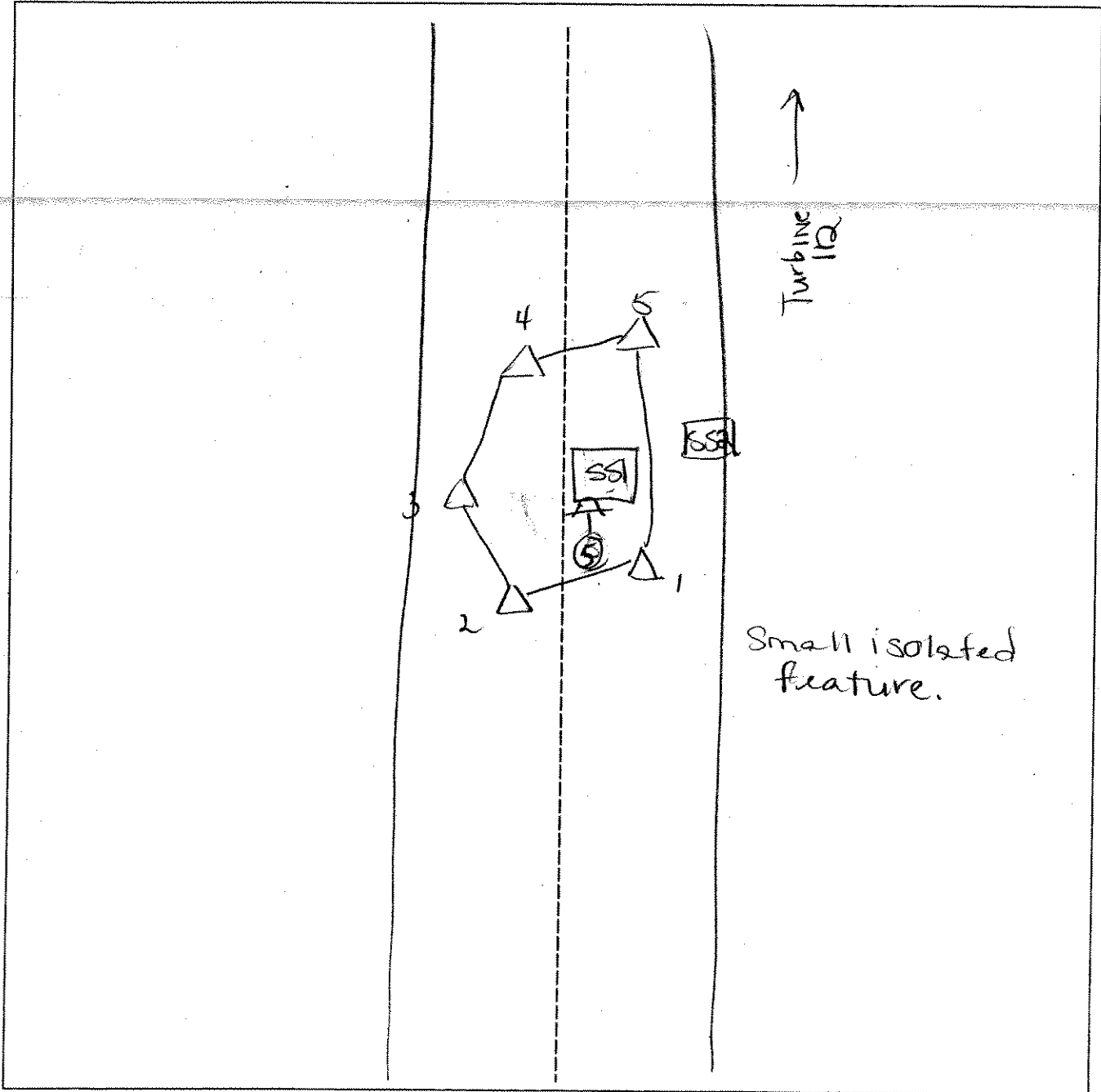
Yes  No  
 Yes  No  
 Yes  No

Is this Sample Station Point Within a Wetland? Yes  No

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR945A</b>	Date: <b>7-24-06</b>	Time:
Initials of Delineators: <b>KH JV</b>	Location: <b>AR to turbine 12</b>	
Roll #:	Frames:	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH, J ✓	Date: 7/24/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: wetland Transect ID: Plot ID: AR-946B-SS1

**VEGETATION**

Plant Community Classification: PEM1PT01					
Percent Canopy Cover: Tree: 10 Shrub: 10 Herb: 95 Vine: 5					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Grey Birch	S	FAC	9.		
2. Spring Club Moss	H	FACW	10.		
3. Grey Birch	H	FAC	11.		
4. Sphagnum	H	OBLX	12.		
5. Acid Rubus	T	FAC	13.		
6. Gray Dogwood	S	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: * 11 - assured OBL					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in places <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): 10 Depth to Saturated Soil (in.): 0	
Remarks: PIX#6 @ SSI - NE	

Date: 7/24/06  
 Community ID: wetland  
 Plot ID: AA-946B-551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	
0-7	A	7.5YR-5/3			Silty sand
7-12	E	10YR-5/2	10YR-5/6	Few/Fine/Faint	Sand

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: - Reduced Matrix in A + E layers  
 - Soils highly disturbed - Man made ditch holding water

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JHA, JV</i>	Date: <i>7/24/26</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR-946B-550</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Herb:	
Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Use upland plot for wetland B-552 - shaded plot</i> <i>wetland wetland B-drains into AR-946B-C connected</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



SKETCH FORM

Wetland ID/Route #: <b>AR946B</b>	Date: <b>7-24-06</b>	Time:
Initials of Delineators: <b>RH N</b>	Location: <b>AR to turbine 11a</b>	
Roll #: <b>RH</b>	Frames:	

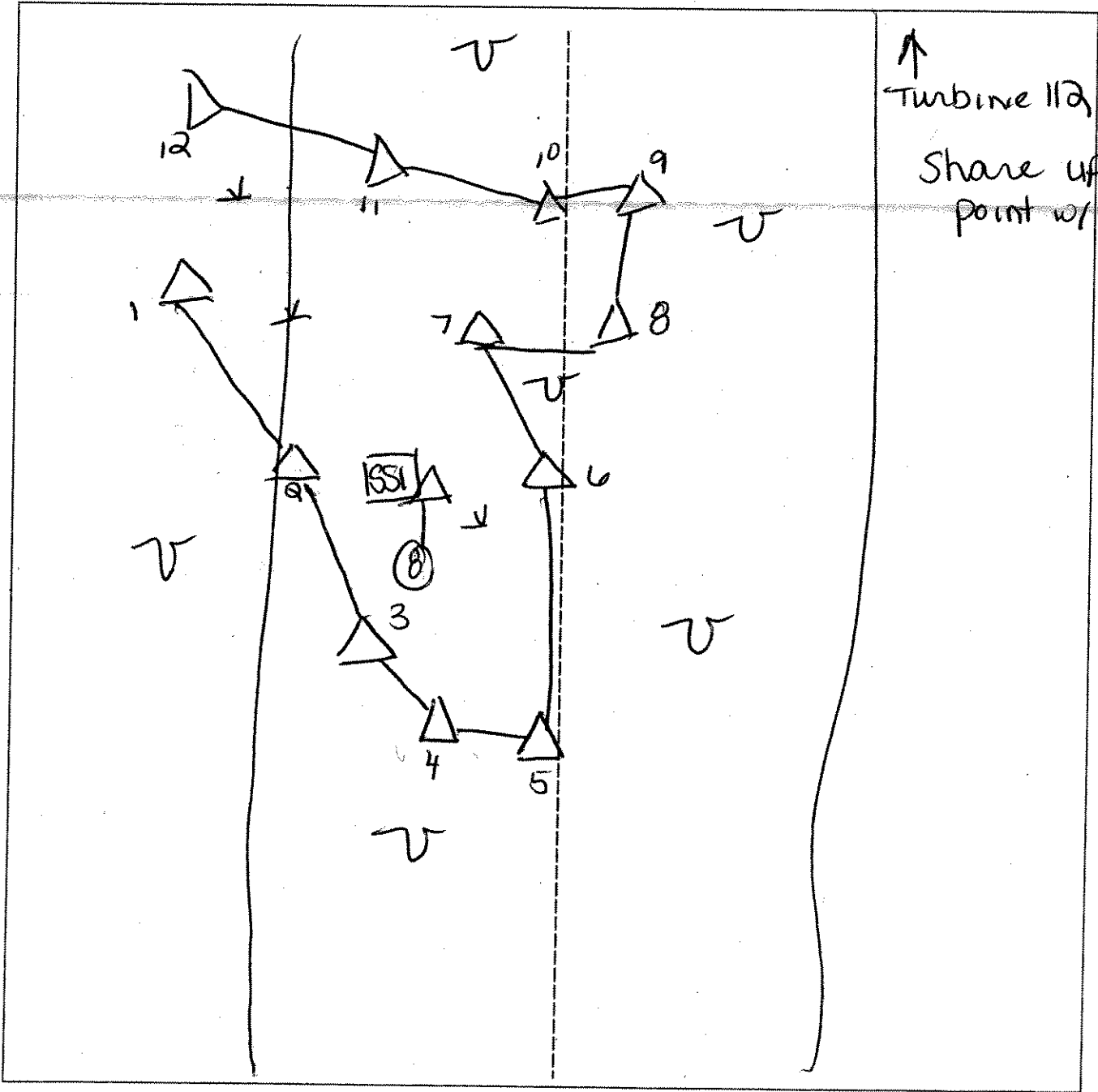


Photo Location/Direction	<b>Legend</b>	Wetland	N
Sample Station	Upland	Stream	
Centerline	Intermittent Stream		
Flag			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/25/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR947A-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Herb:	
Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Same wetland as AR218 A/B - see existing data sheets shored point</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 7/25/86  
 Community ID: wetland  
 Plot ID: AR947A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland?  Yes No

Remarks

• SEE AR 218A7B data sheets

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH JV</i>	Date: <i>7/25/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR 947A-SS2</i>

**VEGETATION**

Plant Community Classification: *Deciduous Forest*  
Percent Canopy Cover: Tree: \_\_\_\_\_ Shrub: \_\_\_\_\_ Herb: \_\_\_\_\_ Vine: \_\_\_\_\_

Dominant Plant Species	Tree:		Shrub:		Herb:		Vine:	
	Stratum	Indicator	Stratum	Indicator	Stratum	Indicator	Stratum	Indicator
1.					9.			
2.					10.			
3.					11.			
4.					12.			
5.					13.			
6.					14.			
7.					15.			
8.					16.			

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: *Some forest as AR 218A/B-SS2 with sheet shared point with AR 218A/B*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7/25/06  
 Community ID: upland  
 Plot ID: AR 947 A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

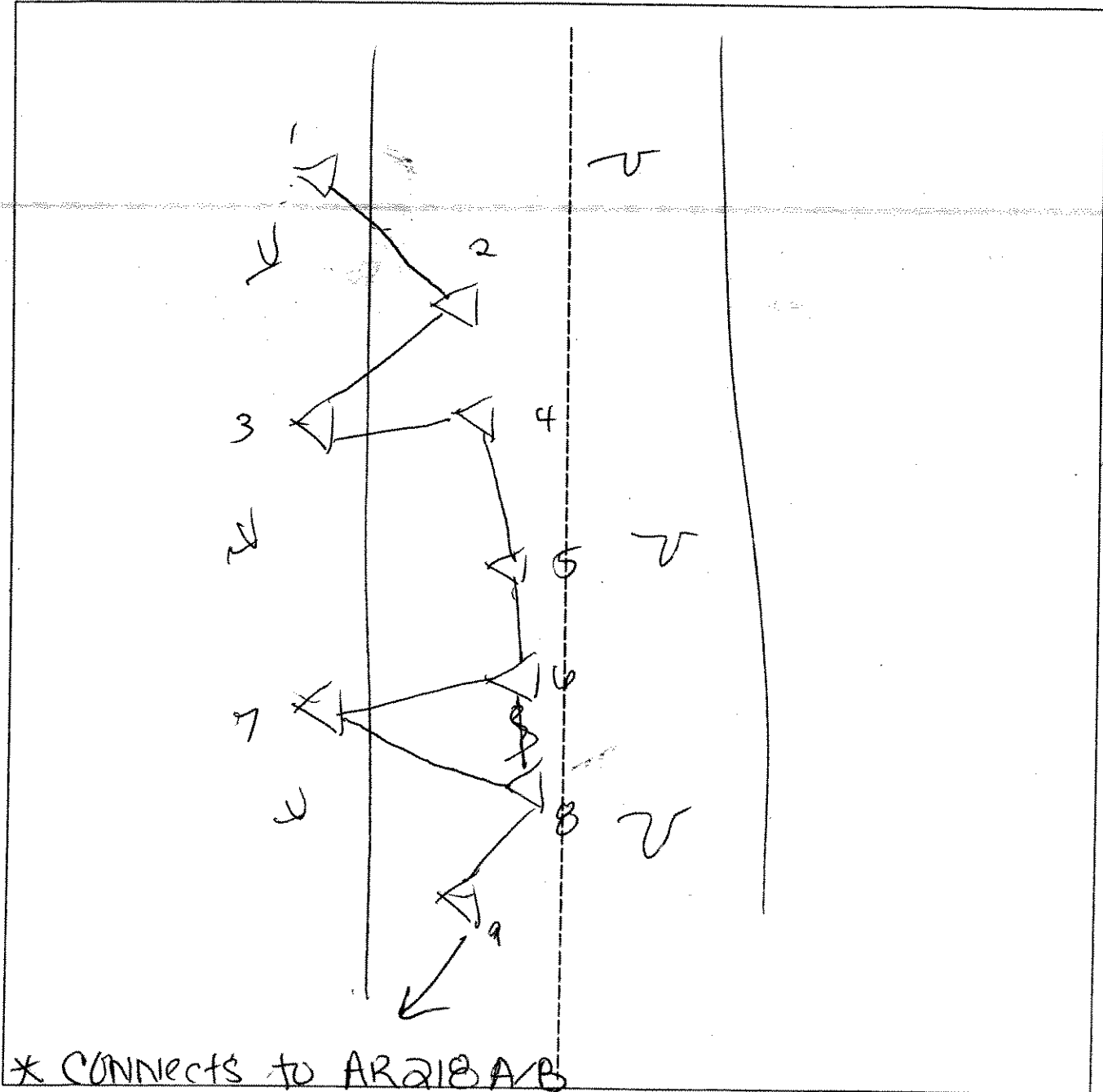
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SEE AR 218 A/B-SS2 (upL) data sheet  
 Same wetland features  
 upland

SKETCH FORM

Wetland ID/Route #: <b>AR947A</b>	Date: <b>7-25-00</b>	Time:
Initials of Delineators: <b>KH</b>	Location: <b>AR to turbine 116</b>	
Roll #:	Frames:	



<b>Legend</b>		
Photo Location/Direction	Wetland	
Sample Station	Upland	
Centerline	Stream	
Flag	Intermittent Stream	

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

AR947A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/10/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <i>Yes</i> No Is the site significantly disturbed (Atypical Situation)? Yes <i>No</i> Is the area a potential Problem Area? Yes <i>No</i> (If needed, explain on reverse.)	Community ID: <i>AR 210B</i> Transect ID: <i>AR947A</i> Plot ID: <i>PF01</i>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *100* Shrub: *30* Herb: *60* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Chow Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Ash sp</i>	<i>SAP</i>	<i>-</i>	11.		
4. <i>Maianthemum canadense</i>	<i>H</i>		12.		
5. <i>Sphagnum moss</i>	<i>H</i>	<i>OBC</i>	13.		
6. <i>Myrica americana</i>	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *750%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 5/10/07  
 Community ID: wetland 581  
 Plot ID: AR218B  
 AR947A 551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles, Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1			silt
4-12	A	10YR 2/2	7.5YR 3/4	faint, common, fine	clay lam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal @ 12", saturation @ 0", water in pit @ 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Remarks mapped NW1 SW  
 9 = E  
 area has been disturbed. Pits throughout 551.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV NP</i>	Date: <i>5/10/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>WR</i> Transect ID: Plot ID: <i>AR 218 A 552</i> <div style="text-align: right; border: 1px solid black; border-radius: 50%; padding: 2px;"><i>AR 947A</i> EXT</div>

**VEGETATION**

Plant Community Classification: *Mixed deciduous*  
 Percent Canopy Cover: Tree: *75* Shrub: *20* Herb: *65* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Gray Birch</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Red maple</i>	<i>T</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Red maple</i>	<i>S</i>	<i>FAC</i>	<i>11.</i>		
<i>4. hobble bush</i>	<i>S</i>	<i>FACU</i>	<i>12.</i>		
<i>5. Rudbeckia canadensis</i>	<i>H</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Whorled wood aster</i>	<i>H</i>	<i>FAC</i>	<i>14.</i>		
<i>7. Rhyssolium complanatum</i>		<i>FAC</i>	<i>15.</i>		
<i>8.</i>			<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *>50%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/10/07  
 Community ID: UPL  
 Plot ID: AR 821 A-88a  
 AR 947 A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	a	10YR 2/1			sandy clay loam
4-12	A	7.5YR 5/2	7.5YR 3/1	fair, fine, fine	sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: soil sandy, dry, crumbles easily

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KK, JV</i>	Date: <i>7/25/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR-949A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover: Tree: <i>5</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9. <i>Grass sp</i>	<i>H</i>	<i>-</i>
2. <i>Groenland Birch</i>	<i>S</i>	<i>FAC</i>	10. <i>Hatchers Grassy</i>	<i>H</i>	<i>OBL</i>
3. <i>Wood Grass</i>	<i>H</i>	<i>OBL</i>	11.		
4. <i>Syringia Biflora</i>	<i>I-H</i>	<i>OBL</i>	12.		
5. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	13.		
6. <i>Vernia Leaf Golden Rod</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Steeple Rush</i>	<i>I-H</i>	<i>FACW</i>	15.		
8. <i>Moss sp.</i>	<i>I-H</i>	<i>-</i>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>*NB - presumed OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>&lt; 1</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	Remarks: <i>pit # 6 w c ss1</i>

Date: 7/25/06  
 Community ID: wetland  
 Plot ID: AH-949A-551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR 5/1			organics/roots
2-8	A	10YR 5/1			

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:  
 - refusal of auger 6 inches  
 - soils all organics - undecomposed plant matter

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: <u>7/25/06</u> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: Transect ID: Plot ID: <u>AR-949A-552</u>			

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Herb:	
Stratum		Indicator		Vine:	
Dominant Plant Species		Dominant Plant Species		Stratum	
Indicator		Indicator		Indicator	
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Shared 552 with AA948A-552</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7/25/08  
 Community ID: ~~AA-949A~~ upland  
 Plot ID: AA-949A-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: AR948/AR949	Date: 1-25-06	Time:
Initials of Delineators: KH JV	Location: AR between turbine 137 + 138	
Roll #:	Frames:	

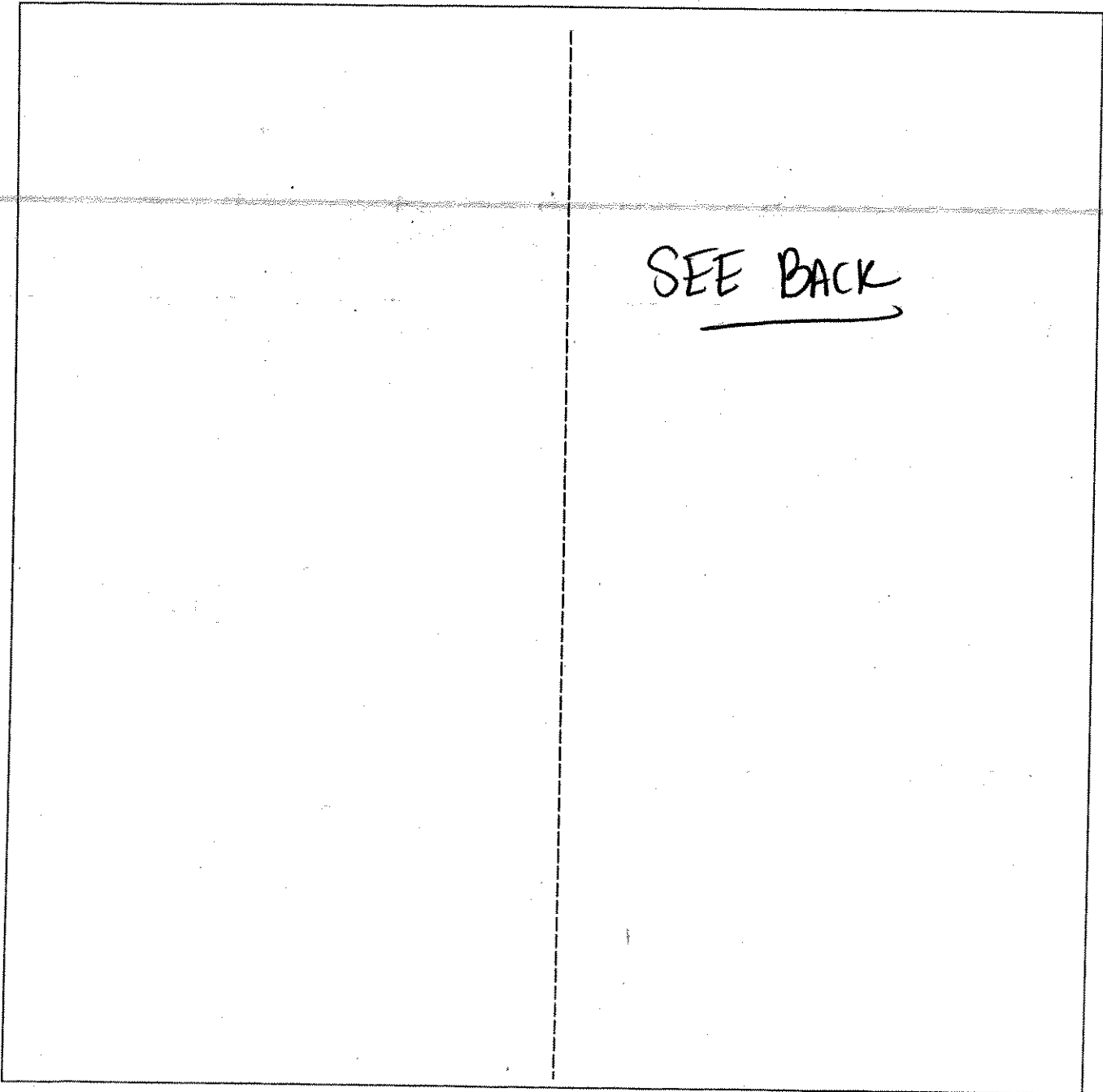
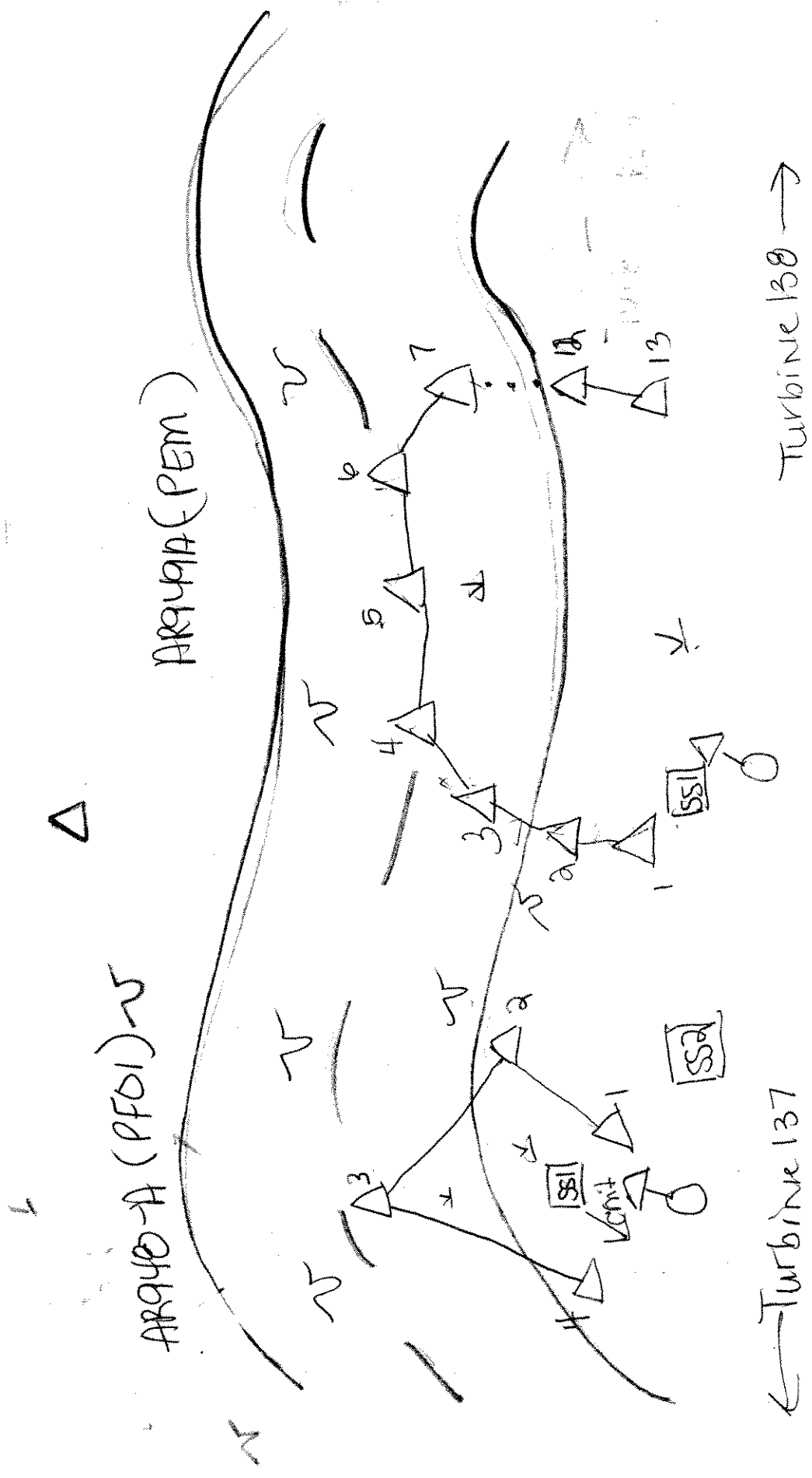
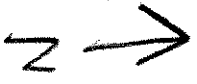


Photo Location/Direction	<b>Legend</b>	Wetland
Sample Station		Upland
Centerline		Stream
Flag		Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH, JV	Date: 7/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: wetland Transect ID: Plot ID: A02950A-SS1

**VEGETATION**

Plant Community Classification: PP01  
 Percent Canopy Cover: Tree: 70 Shrub: 30 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	T	FAC	9. Golden Rod sp	H	-
2. Green Birch	T	FAC	10. Sphagnum	H	OBL*
3. Red Maple	S	FAC	11.		
4. Green Birch	S	FAC	12.		
5. Speckled Alder	S	FACW	13.		
6. Nanny Berry	S	FAC	14.		
7. Grass sp	H	-	15.		
8. Scaepé Bush	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%  
 Remarks: \* ND - assumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>—</u> Depth to Free Standing Water in Pit (in.): <u>3</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>pix #7 looks w @ SSI</u>	



Date: 7/25/06  
 Community ID: wetland  
 Plot ID: AR 950A-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	<del>A</del>	10YR-2/1			organic/silt/loam
1-5	A	2.5Y-4/1			sandy loam
5-6	B	2.5Y-5/3	2.5Y-5/6	fine/coarse/paint	sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Refusal auger at 6 inches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>W.H. JV</i>	Date: <i>7/25/06</i> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 950A-552</i>			

**VEGETATION**

Plant Community Classification: <i>Deciduous Forest</i>					
Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>50</i> Herb: <i>70</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Big Toothed Aspen</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Grey Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Sugar Maple</i>	<i>S</i>	<i>FACU</i>	12.		
5. <i>Bracken fern</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Canada Mayflower</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Low Bush Blueberry</i>	<i>H</i>	<i>FACU</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/7 28%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

Date: 7/25/06  
 Community ID: upland  
 Plot ID: AR 950A-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O/A	10YR-2/1			loam / roots
2-5	E	2.5Y-5/2			Sand
5-6	B	2.5Y-5/4			Sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal auger at 8 inches

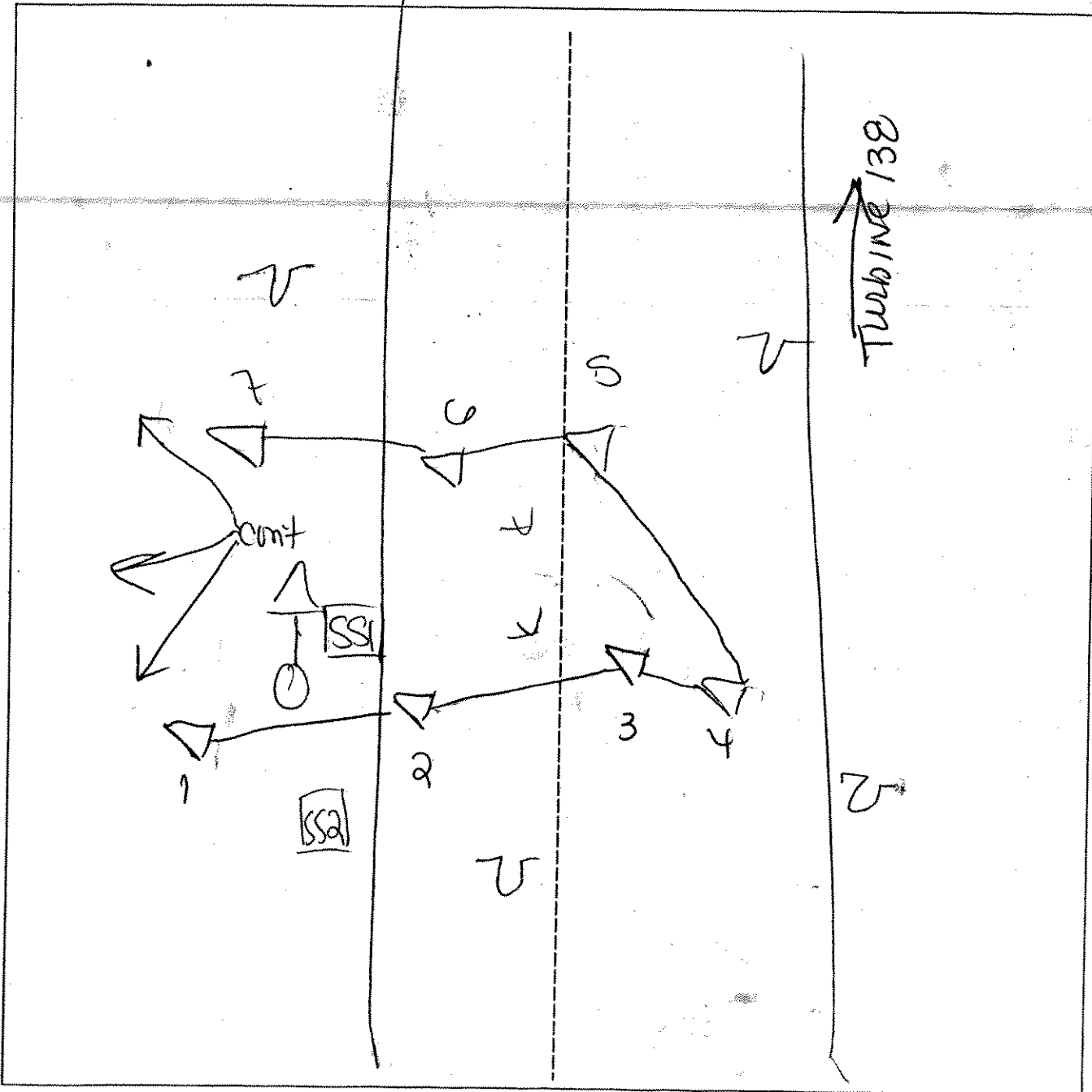
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR950A</b>		Date: <b>7.25.06</b>	Time:
Initials of Delineators: <b>KH JV</b>		Location: <b>AB TO turbine 138</b>	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KA, JV</i>	Date: <i>7/25/08</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AD-951A-SS1</i>							

**VEGETATION**

Plant Community Classification: <i>PPOL/PEM</i>						
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>10</i> Herb: <i>95</i> Vine: <i>0</i>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.			
2. <i>Yellow Birch</i>	<i>T</i>	<i>FAC</i>	10.			
3. <i>Golden Rod sp</i>	<i>H</i>	<i>-</i>	11.			
4. <i>Rubus sp</i>	<i>H</i>	<i>-</i>	12.			
5. <i>Fern - wood</i>	<i>H</i>	<i>FAC</i>	13.			
6. <i>Grass sps</i>	<i>H</i>	<i>-</i>	14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>8 in</i>	Remarks:

Date: 7/25/06  
 Community ID: wetland  
 Plot ID: AR95/A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O1A	10YR-2/1			lean/organics
2-14	B	2.5Y-5/3	10YR-4/6	Common/fine/Faint	Sandy loam

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Refusal 14 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA, JV</i>	Date: <i>7/25/06</i> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: Transect ID: Plot ID: <i>AR-95/A-55a</i>			

**VEGETATION**

Plant Community Classification: <i>Deciduous Forest</i>					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>10</i> Herb: <i>95</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Wood Fern</i>	<i>H</i>	<i>FACU</i>	10.		
3. <i>Golden Rod sp</i>	<i>H</i>	<i>-</i>	11.		
4. <i>Fern sp</i>	<i>H</i>	<i>-</i>	12.		
5. <i>Wood Fern</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks: <i>PH # 8 looks NE-C 551</i>	

Date: 7/25/06  
 Community ID: upland  
 Plot ID: AR-951A-550

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	7.5YR-3/4			Silt loam
6-8	B	7.5YR-4/4			Silt loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: *refused auger @ 8 inches*

**WETLAND DETERMINATION**

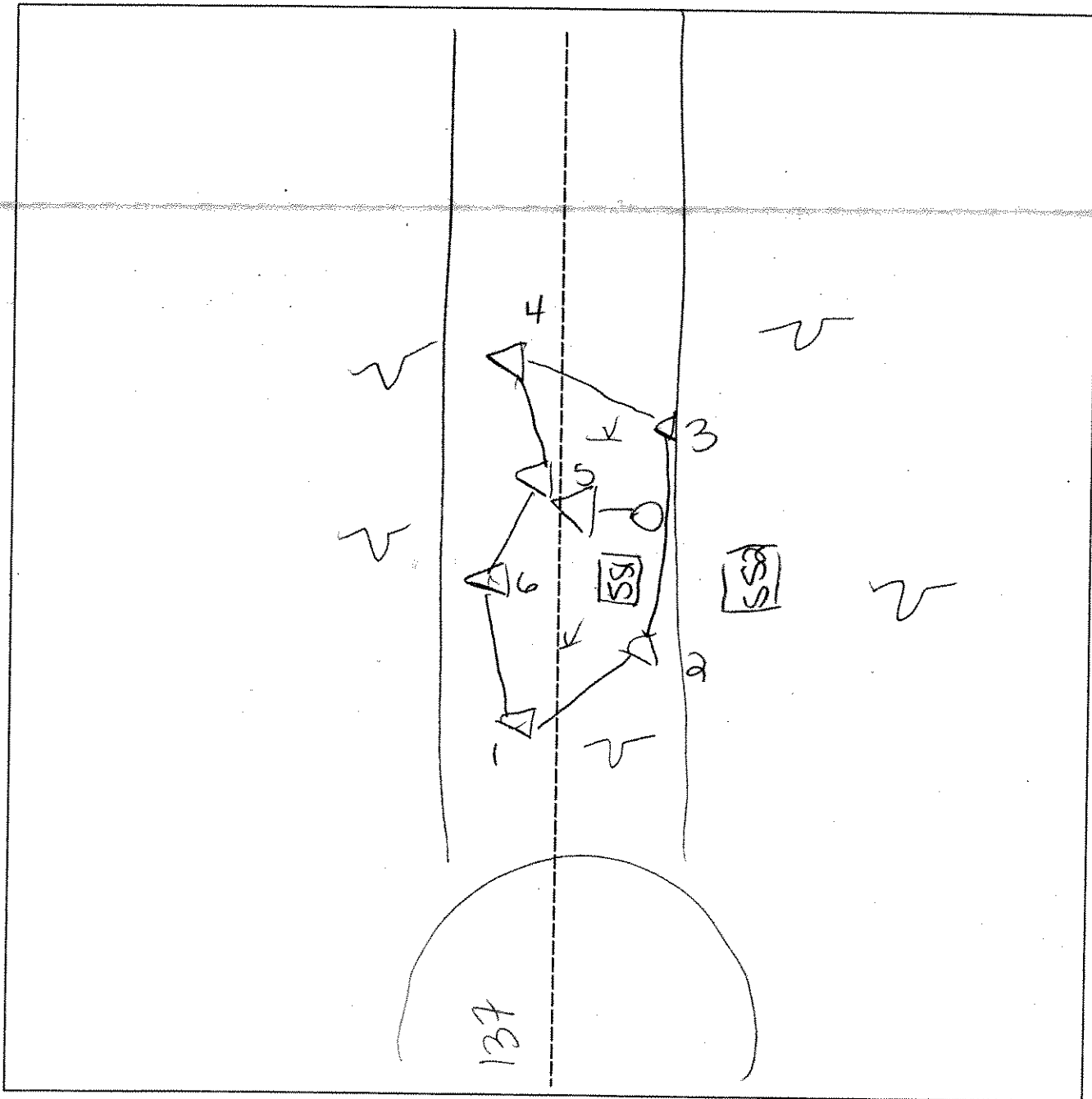
Hydrophytic Vegetation Present? Yes  No  
 Wetlands Hydrology Present? Yes  No  
 Hydric Soils Present? Yes  No  
 Is this Sample Station Point Within a Wetland? Yes  No

Remarks



SKETCH FORM

Wetland ID/Route #: AA951A	Date: 7-25-06	Time:
Initials of Delineators: HJ JV	Location: AR to turbine 138	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

← N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JK, JV</i>	Date: <i>7/26/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR90A-551</i>							

**VEGETATION**

Plant Community Classification: <i>PF01</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>20</i> Herb: <i>95</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	12.		
5. <i>Moss Sp.</i>	<i>H</i>	<i>=</i>	13.		
6. <i>Aster Sp.</i>	<i>H</i>	<i>=</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>*NI-assumed OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>-</i> Depth to Free Standing Water in Pit (in.): <i>2</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>photo 1 looks w c s s i</i>	

Date: 7/26/06  
 Community ID: wetland  
 Plot ID: MA 952 A-551

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	D				organics / Peat
2-6	A	10YR-2/1			sandy silt loam
6-16	B	10YR-4/1	10YR-4/8	Few / coarse / distinct	Sandy clay

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: refusal rough at 10 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/26/08</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No 
Community ID: <i>upland</i> Transect ID: Plot ID: <i>11952A-552</i>	

**VEGETATION**

Plant Community Classification: *Maple forest*  
 Percent Canopy Cover: Tree: *50* Shrub: *60* Herb: *90* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9. <i>Canada Mayflower</i>	<i>H</i>	<i>FAC-</i>
2. <i>American Beech</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Striped Maple</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Broadleaf Fern</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Red Maple</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Tree Milk Chub Moss</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Moss sp</i>	<i>H</i>	<i>-</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *3/8 37%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>-</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>2</i>	
Remarks: <i>Heavy extended rains causing (likely) false positive for saturation</i>	

Date: 7/26/06  
 Community ID: Upland  
 Plot ID: AR-952A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O/A	10YR-3/2			Silt loam / roots
3-6	B	10YR-4/6			Sandy silt loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

- Refusal auger 6 inches  
 - some evidence of depleted matrix in B layer  
 ~ 6 inches down.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes  No   
 Yes  No   
 Yes  No

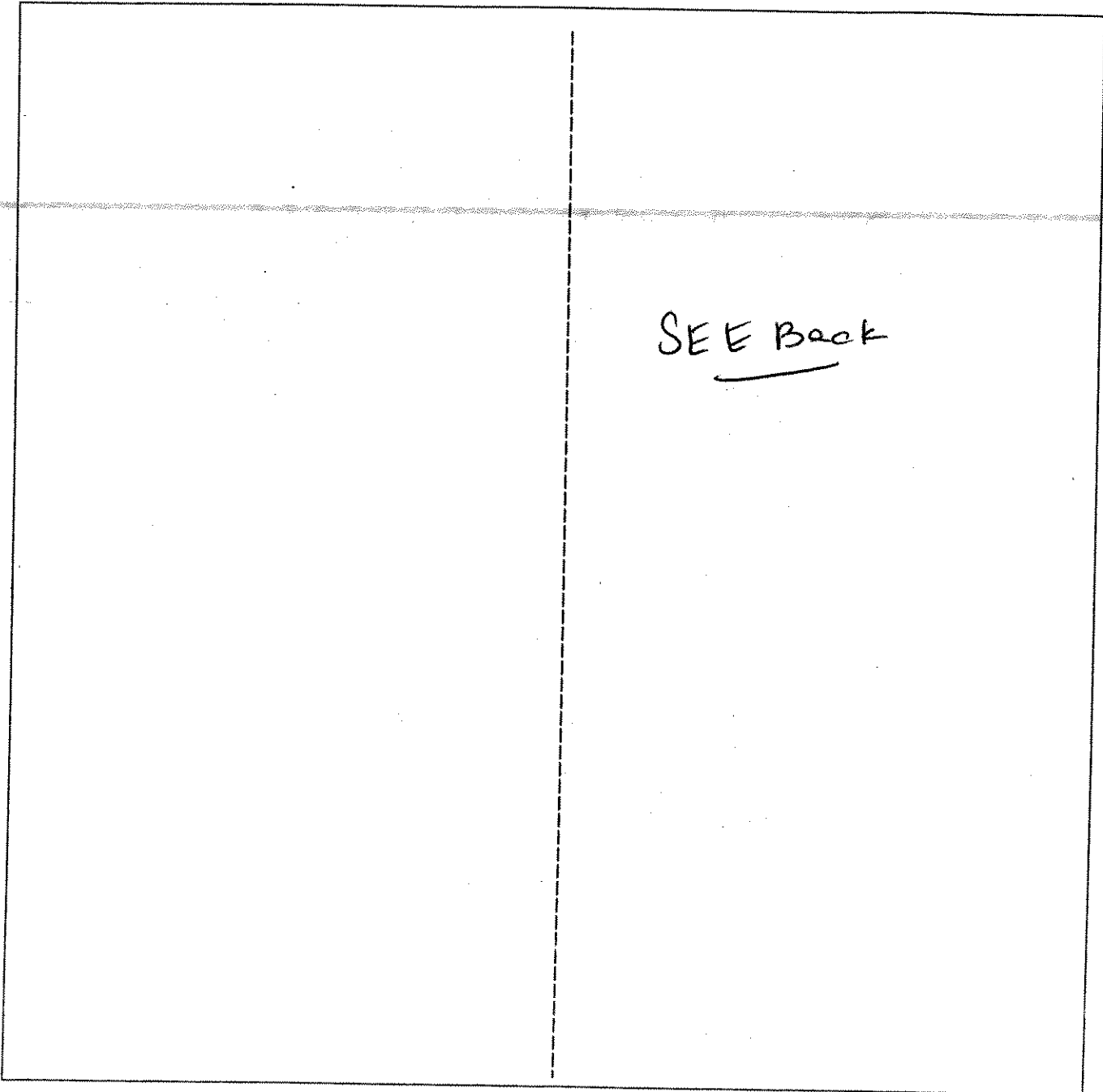
Is this Sample Station Point Within a Wetland? Yes  No

Remarks

SKETCH FORM

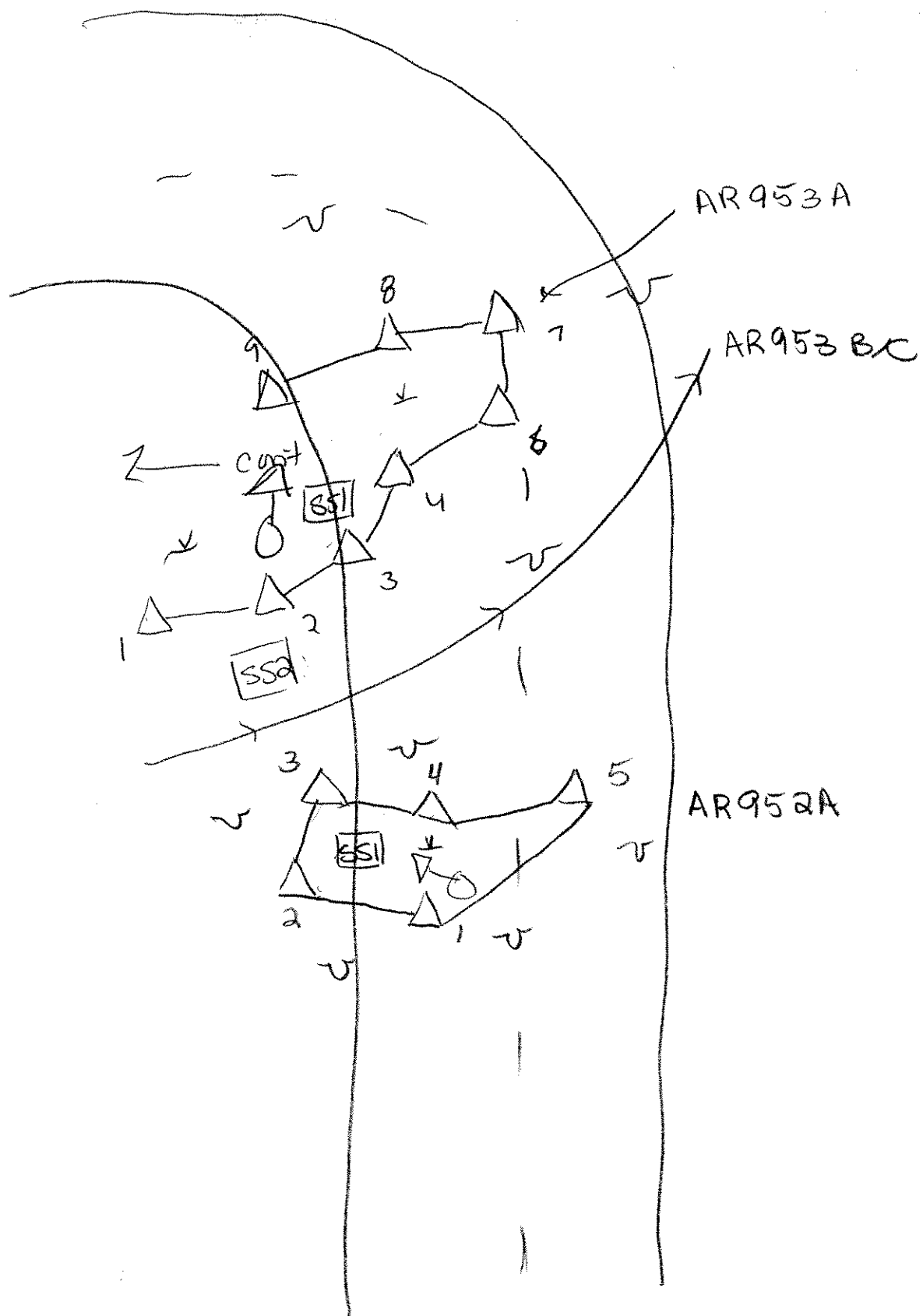
952

Wetland ID/Route #: AR953A & AR954A	Date: 7-26-06	Time:
Initials of Delineators: KH OV	Location: AR to turbine 138	
Roll #: 1 => 953A, 2 => AR954A		



<b>Legend</b>				
	Photo Location/Direction			Wetland
	Sample Station			Upland
	Centerline			Stream
	Flag			Intermittent Stream

57P



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH JTV</i>	Date: <i>7/26/08</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>MR954A-SSI</i>							

**VEGETATION**

Plant Community Classification: <i>PF01</i>					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>40</i> Herb: <i>95</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Big Tooth Aspen</i>	<i>T</i>	<i>FACU-</i>	10.		
3. <i>White Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Sphagnum</i>	<i>H</i>	<i>OBLX</i>	13.		
6. <i>Aspen sp.</i>	<i>H</i>		14.		
7. <i>Green SW</i>	<i>H</i>	<i>FACW</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>4/6 66%</i>					
Remarks: <i>XNI - assumed OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>—</i>  Depth to Free Standing Water in Pit (in.): <i>—</i>  Depth to Saturated Soil (in.): <i>1</i>	
Remarks: <i>pit #5 looks NE SSI</i>	



Date: 7/26/06  
 Community ID: wetland  
 Plot ID: AR 954A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O				organics/Peat
1-2	A	10YR-2/1			Sandy loam
2-4	E	10YR-5/1			Sandy loam
4-8	B	2.5Y-5/3	2.5Y-5/6	Few/Fine/Faint	Sand loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                       | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                  | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime          | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors    | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal of auger @ 8 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/26/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: <i>Dpland</i> Transect ID: Plot ID: <i>AR 954A-SS2</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Shared point with AR103/A-SS2 (Cupland point)</i>					

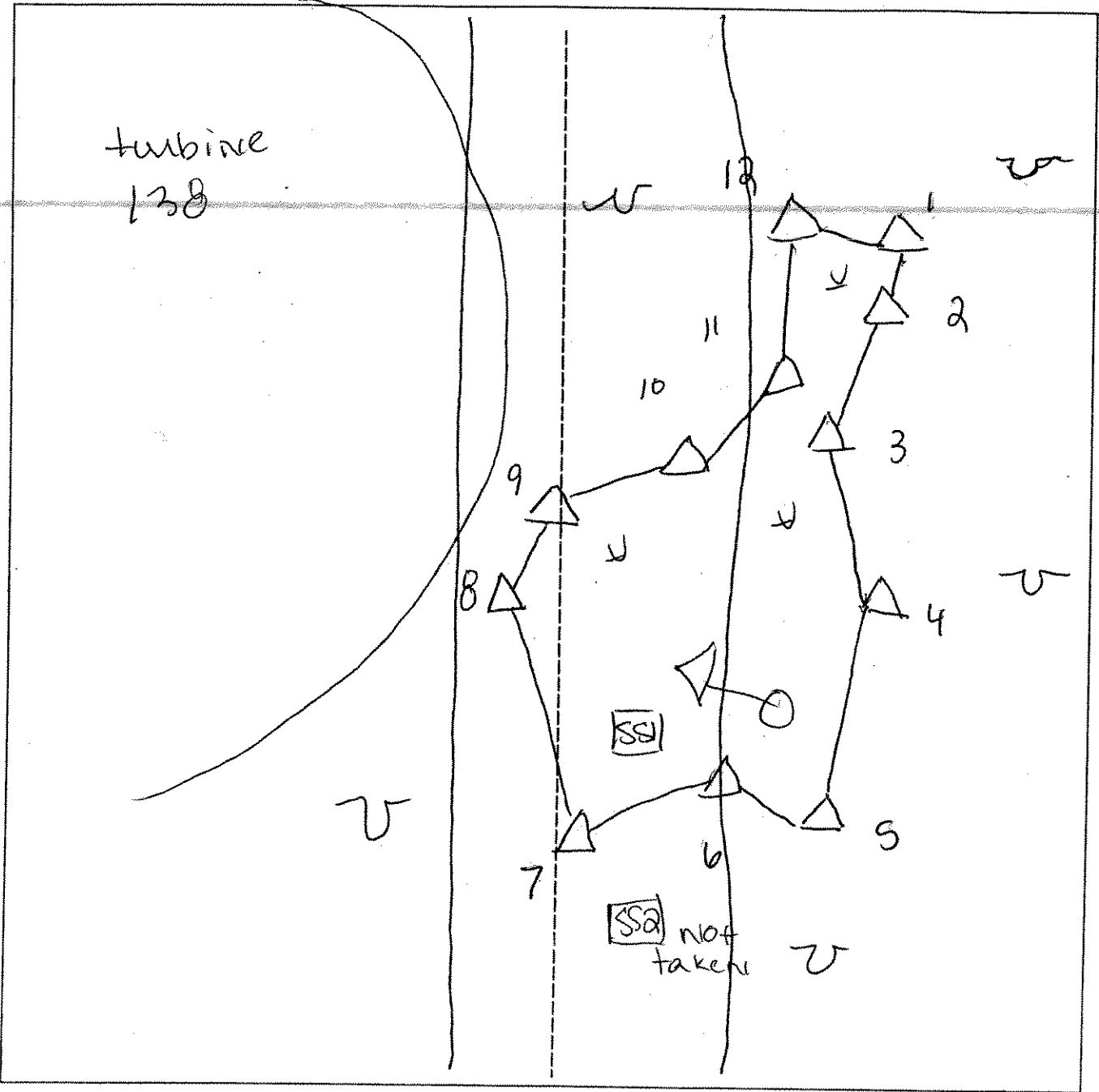
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



SKETCH FORM

Wetland ID/Route #: <b>AR958A</b>	Date: <b>7-26-00</b>	Time:
Initials of Delineators: <b>KH JV</b>	Location: <b>AR to turbine 138 @ close</b>	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

N ↓

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JV	Date: 7/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: wetland Transect ID: Plot ID: AR 955A-1	

**VEGETATION**

Plant Community Classification: PEM  
 Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Steeple Bush	H	FACW	9.		
2. Juncus Effusus	H	FACW	10.		
3. Meadow Sweet	H	FACW	11.		
4. Banked willow	H	FACW	12.		
5. Carex Sp.	H	FACW	13.		
6. Carex sp.	H	-	14.		
7. Silky willow	H	OBL	15.		
8. Sensitive fern	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: Ag field - Ap layer - Evidence of logged trees CS trunks, wheel rts

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): — Depth to Saturated Soil (in.): 5	
Remarks: Pit #6 looks SSSI	

Date: 7/25/06  
 Community ID: wetland  
 Plot ID: AR 955A-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	Ap	2.5YR-2.5/1			loam
5-12	B <sup>p</sup>	Gley - 6/10Y	2.5Y 3/6	Few / coarse / distinct	clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal of auger  
12 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7/26/06 County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: upland Transect ID: Plot ID: AR955A-552			

**VEGETATION**

Plant Community Classification: *open meadow*

Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Green Birch	H	FAC	9.		
2. Slender Golden Rod	H	FAC	10.		
3. Hairy Golden Rod	H	UPL*	11.		
4. Virginia Creeper	H	FAC	12.		
5. Strawberry	H	FACW	13.		
6. Green Leaf Golden Rod	H	FAC	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *4/6 66%*

Remarks: *Ag field - disturbed area*  
*\*NI - assumed upland*

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p><b>Wetland Hydrology Indicators:</b>  <b>Primary Indicators:</b>          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands  <b>Secondary Indicators (2 or more required):</b>          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): ___</p> <p>Depth to Free Standing Water in Pit (in.): ___</p> <p>Depth to Saturated Soil (in.): <i>2.2</i></p>	
<p>Remarks:</p>	

Date: 7/26/06  
 Community ID: upland  
 Plot ID: AR955A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	AP	7.5YR-3/2			loam
6-16	B	10YR-5/6			sandy silt loam

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Refusal auger at 10 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

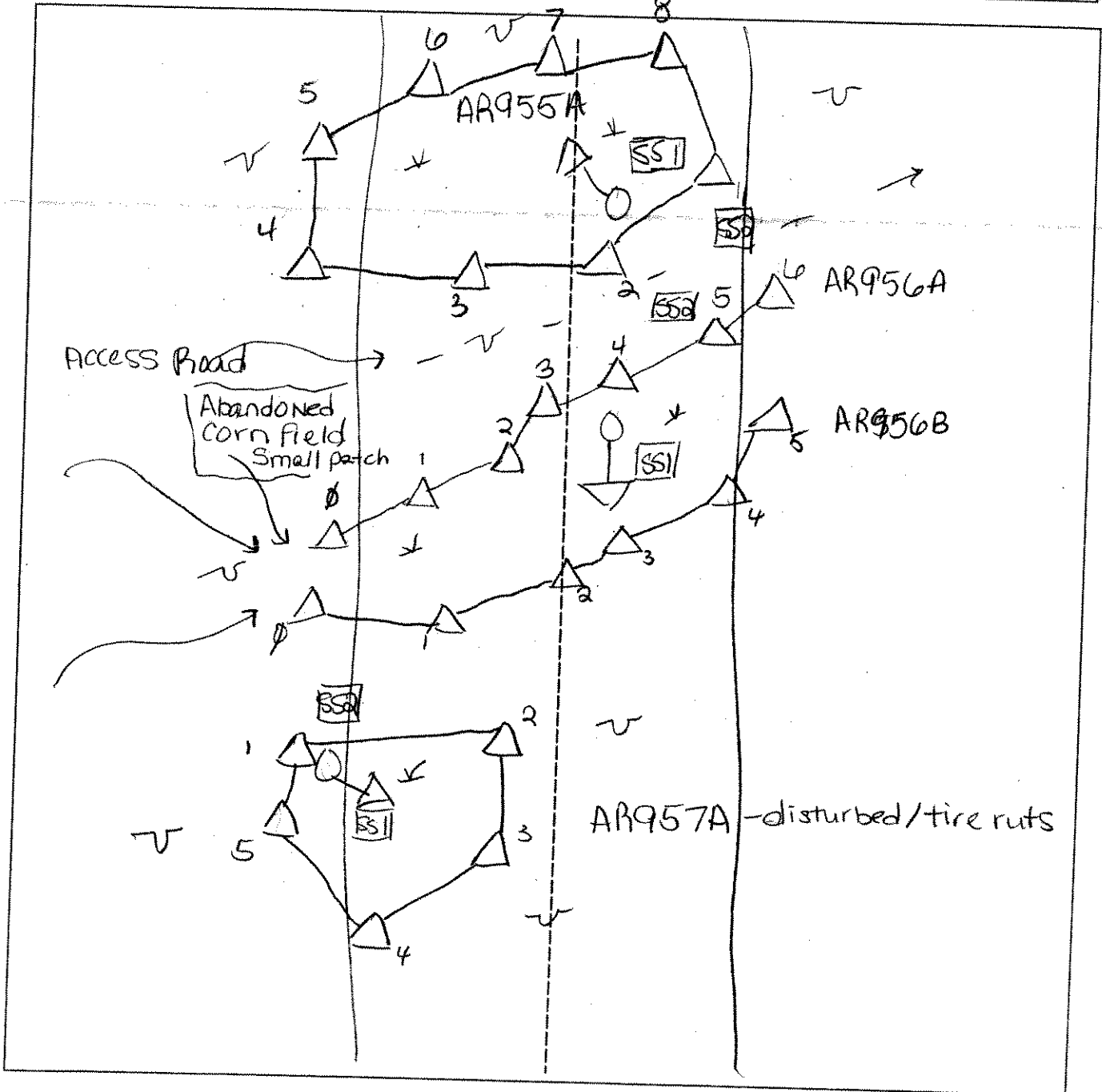
Remarks

plants are disturbed after recent logging/agricultural use



SKETCH FORM

Wetland ID/Route #: AR955A, AR956A/B, AR957A		Date: 7-27-06	Time:
Initials of Delineators: KH		Location: AR to turbine 4A	
Roll #:	Frames:		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <b>RH JV</b>	Date: <b>7-28-06</b> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>PSS</b> Transect ID: <b>AR950A/B-SSI</b> Plot ID:

**VEGETATION**

Plant Community Classification: <b>PSS</b>					
Percent Canopy Cover: Tree: <b>100%</b> Shrub: <b>5</b> Herb: <b>100</b> Vine: <b>0</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Speckled Alder	T	FACW+	9.		
2. Grey Birch	T	FAC	10.		
3. Speckled Alder	S	FACW+	11.		
4. Juncus effusus	H	FACW+	12.		
5. Scirpus atrovirens	H	OBL	13.		
6. Carex scoparia	H	FACW	14.		
7. Carex sp.	H	—	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>100%</b>					
Remarks: <b>Sphagnum moss observed on base of rock wall just outside of plot. patches Iris versicolor also observed.</b>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <b>N/A</b> Depth to Free Standing Water in Pit (in.): <b>N/A</b> Depth to Saturated Soil (in.): <b>3"</b>	
Remarks:	

Date: 7-28-06  
 Community ID: PSS  
 Plot ID: AR958A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	Ap	10YR 3/1	—	—	fine silt loam
4-8	A	10YR 3/1	10YR 5/4	many/medium/distinct	fine silt loam
8-12	B	10YR 5/3	10YR 4/6	many/coarse/distinct	fine sandy clay

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Refusal @ 12" - observed gravel throughout horizons beneath Ap

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

Photo 1 => E P SS1

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <b>RH JV</b>	Date: <b>7-28-06</b> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: <b>upland</b> Transect ID: Plot ID: <b>AR958A/B SSA</b>							

**VEGETATION**

Plant Community Classification: <b>pasture</b>					
Percent Canopy Cover: Tree: <b>0</b> Shrub: <b>0</b> Herb: <b>100</b> Vine: <b>0</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>Trifolium hybridum</b>	H	FACU-			
2. <b>Trifolium repens</b>	H	FACU-			
3. <b>Common plantain</b>	H	FACU			
4. <b>Solidago sp.</b>	H	—			
5. <b>Grass sp.</b>	H	—			
6. <b>Carex sp. *</b>	H	—			
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>0</b>					
Remarks:  <b>* ONLY few, single blades observed. Completely disappear beyond sample point.</b>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <b>N/A</b> Depth to Free Standing Water in Pit (in.): <b>N/A</b> Depth to Saturated Soil (in.): <b>6"</b>	
Remarks: <b>Rain throughout the week and most recently in the morning. Possibly false positive</b>	

Date: 7-28-06  
 Community ID: Upland  
 Plot ID: AR958A-SSI

**SOILS**

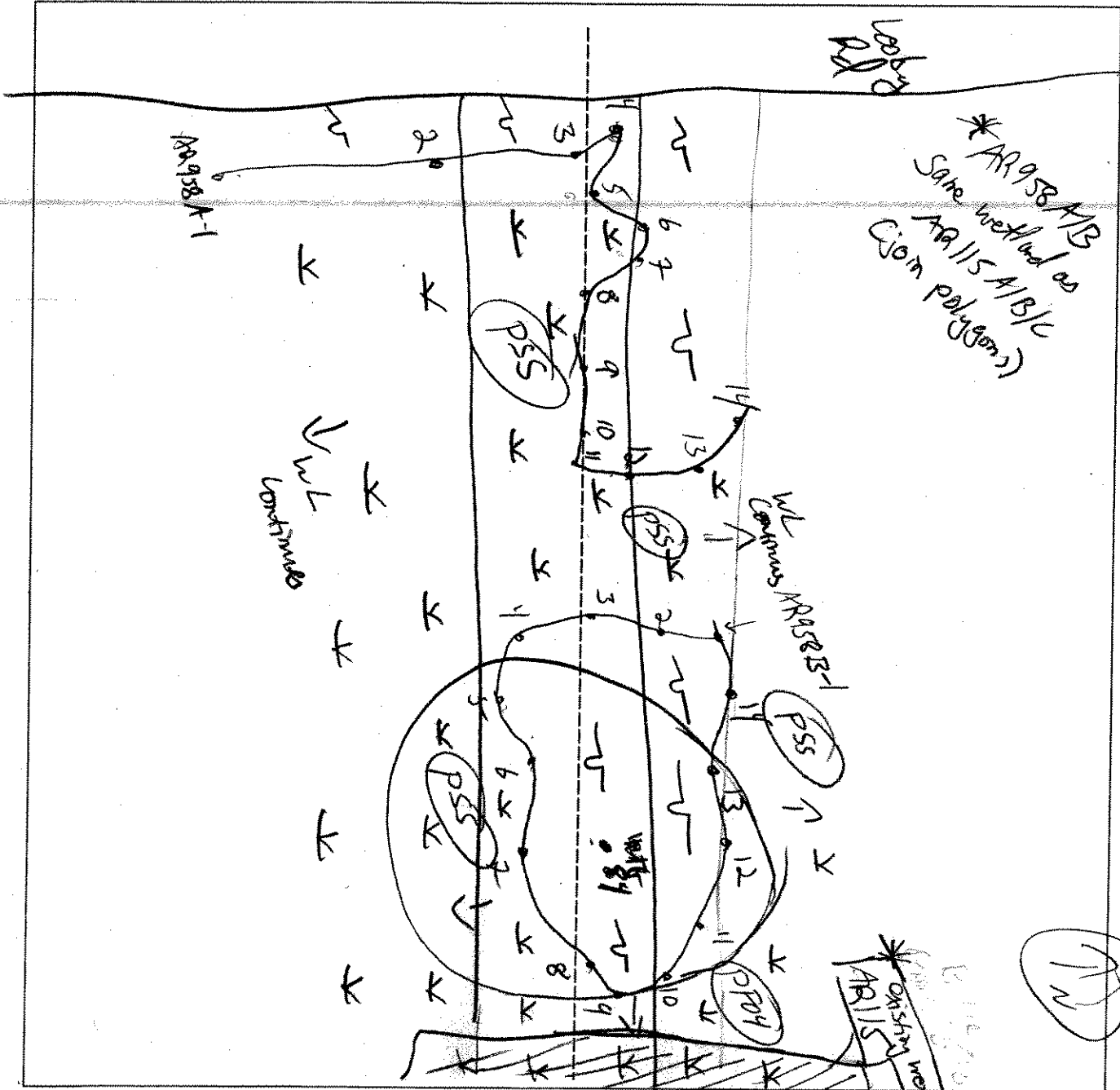
Map Unit Name (Series and Phase):		Drainage Class:				
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No				
Profile Description:						
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.	
0-6	A <sub>p</sub>	2.5Y 3/2	—	—	fine sandy silt	
6-10	B <sub>p</sub>	2.5Y 5/3	10YA 4/6	few/fine/distinct	fine sandy silt	
Hydro Soil Indicators						
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)				
Remarks: Refusal @ 10"						

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <u>AR 958 A/B</u>	Date: <u>7/28/06</u>	Time:
Initials of Delineators: <u>KH, JV</u>	Location: <u>WB 84 - Lobby Rd</u>	
Roll #: <u>1514</u>	Frames: <u>1</u>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR958-A, IC962

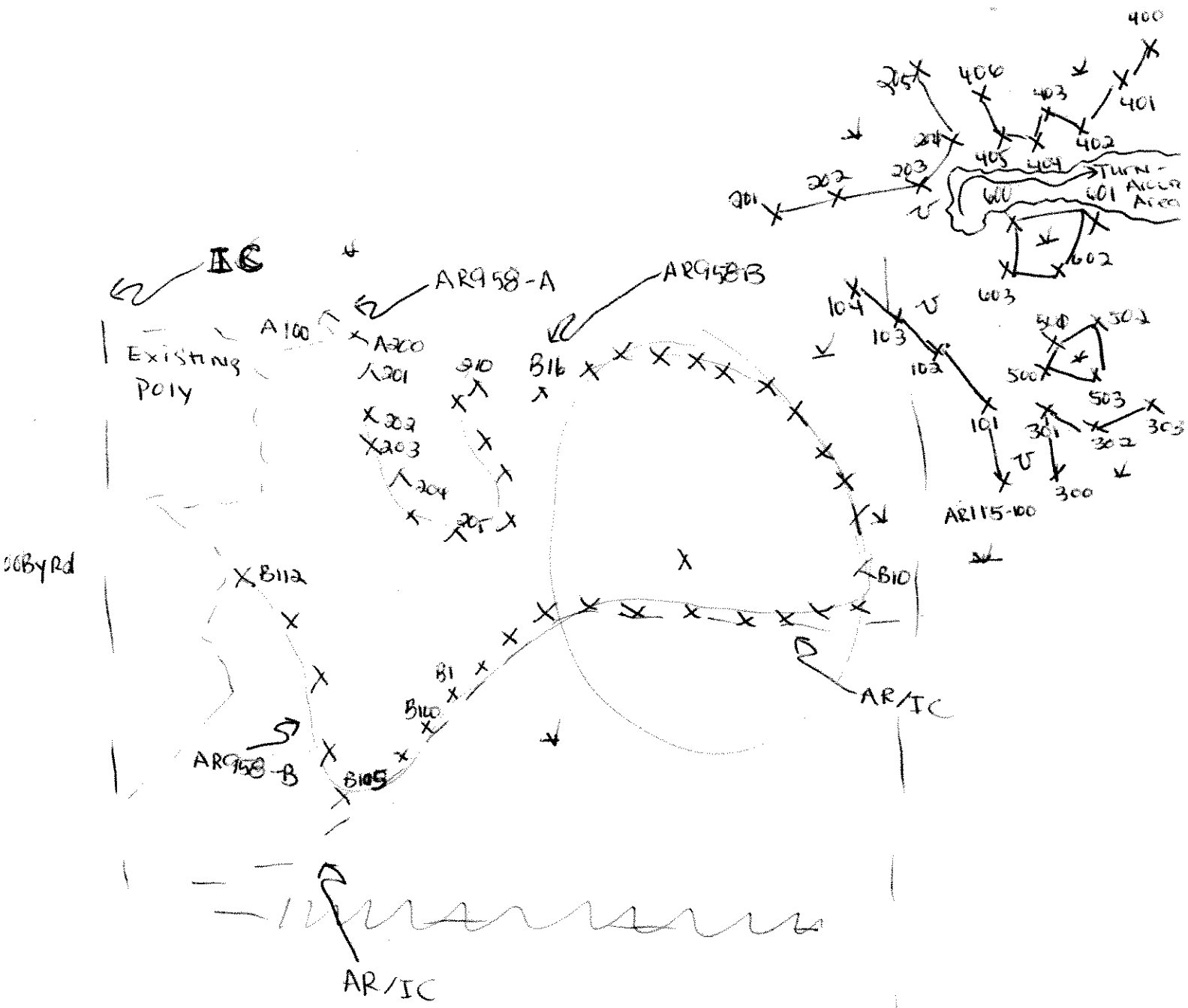
HR115-A/B/C

SKETCH FORM

Wetland ID/Route #: <b>AR 958-R-A/B+C</b>		Date: <b>10/26/06</b>	Time:
Initials of Delineators: <b>RD JV</b>		Location: <b>T 84A</b>	
Roll #:	Frames:		



<u>Legend</u>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Perennial Stream
	Flag		Intermittent Stream
	North Arrow		



- AR115 A/B/C
- 100 Series open to W
  - 200 Series open to W
  - 300 Series open to E
  - 400 Series open to N
  - 500 Series close
  - 600 Series close



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JW	Date: 7-28-00 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: IC962A-SS1

**VEGETATION**

Plant Community Classification: PSS					
Percent Canopy Cover: Tree: 10 Shrub: 70 Herb: 20 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	T/S	FACW+	9.		
2. <i>Betula populifolia</i>	T/S	FAC	10.		
3. <i>Impatiens capensis</i>	H	FACW	11.		
4. Grass sp	H	—	12.		
5. <i>Polygonum lapathifolium</i>	H	FACW+	13.		
6. <i>Solidago graminifolia</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): 6"  Depth to Saturated Soil (in.): 3"	
Remarks:	

Date: 7-28-06  
 Community ID: PSS  
 Plot ID: IC962A-SSI

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:  
 Refusal at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JV	Date: 7-28-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Upland Plot ID: IC962A-SS2

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					
Representative Plot: Refer to Data sheet I.d. AR958A/B-SS2					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	
Representative Plot: Refer to Data sheet I.d. AR958A/B-SS2	

Date: 7-28-06  
 Community ID: Upland  
 Plot ID: AC962A -SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Representative Plot: Refer to Plot I.D. AR958 A/B-SS2

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH W	Date: 7.28.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: IC962A-553

**VEGETATION**

Plant Community Classification: PEM					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Iris versicolor	H	OBL	9.		
2. Scirpus atrovirens	H	OBL	10.		
3. Juncus effusus	H	FACW+	11.		
4. Grass sp.	H	—	12.		
5. Onoclea sensibilis	H	FACW	13.		
6. Carex scoparia	H	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 7.28.06  
 Community ID: PEM  
 Plot ID: AC 962A-553

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10YR 2/1	—	—	Silt clay
8-16	B <sub>1</sub>	Gley1 5/10Y			Sandy silt
16-18+	B <sub>a</sub>	Gley1 5/10Y	10YR 4/4	Many/coarse/distinct	Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JV	Date: 7-28-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: upland Transect ID: Plot ID: IC962A-SS4

**VEGETATION**

<b>Plant Community Classification:</b>					
<b>Percent Canopy Cover:</b>		<b>Tree:</b>		<b>Shrub:</b>	
<b>Herb:</b>		<b>Vine:</b>			
<b>Dominant Plant Species</b>	<b>Stratum</b>	<b>Indicator</b>	<b>Dominant Plant Species</b>	<b>Stratum</b>	<b>Indicator</b>
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					
Representative plot: Refer to Data ID: AR958A/B					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	
Representative plot: Refer to Data ID: AR958A/B	

Date: 7-28-06  
 Community ID: Upland  
 Plot ID: JC962A-SS4

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Representative plot: Refer to Data ID AR958A/B

**WETLAND DETERMINATION**

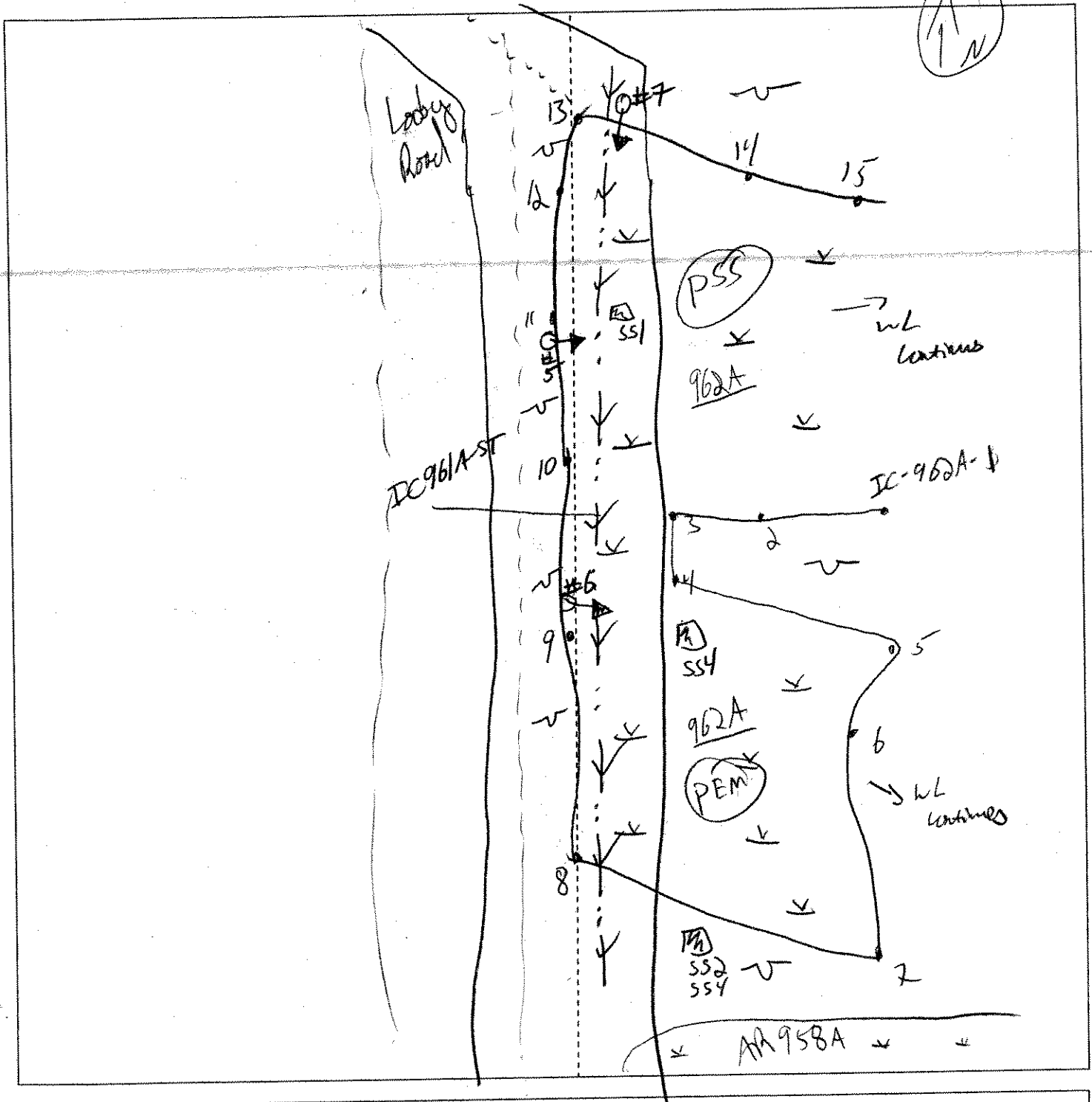
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Remarks



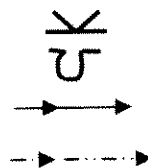
SKETCH FORM

WETLAND ID/ROUTE ID: <b>IC-962A</b>	PROJECT: <b>Marble River</b>	TIME:
INITIALS OF DELINEATORS: <b>KH, JV</b>	DATE: <b>7/28/06</b>	
PHOTO ID: <b>KH, 5, 6, 7</b>	LOCATION: <b>Looby Rd</b>	



LEGEND

- Photo Location / Direction
- Sample Station
- Centerline
- Flag



- Wetland
- Upland
- Perennial Stream
- Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IV AP</i>	Date: <i>5/8/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>RF01</i> Transect ID: Plot ID: <i>AR965 A SSI</i>

**VEGETATION**

Plant Community Classification: <i>Red maple mesic</i> Percent Canopy Cover: Tree: <i>85</i> Shrub: <i>40</i> Herb: <i>85</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Alnus incana</i>	T	FACW	10.		
3. <i>Alnus incana</i>	S	FACW	11.		
4. <i>Thuja occidentalis</i>	H	FAC	12.		
5. <i>Myrica americana</i>	H	FAC	13.		
6. <i>Aster</i> sp.	H	FACW	14.		
7. <i>Moss</i> sp.	H	—	15.		
8. <i>Menyanthes trifoliata</i>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Cannot i.d. species due to time of year</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>NA</i>  Depth to Free Standing Water in Pit (in.): <i>10"</i>  Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Adjacent LPL field slopes south into WL. Discharges surface / groundwater</i>	

Date: 5/18/07  
 Community ID: DFO1  
 Plot ID: AB 905 A SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	o	5YR 2.5/1			
2-8	A	10YR 2/1			silty clay loam
8-10	b	10YR 3/2			silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal @ ≤ 10", water @ 10", soil saturated

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: photo 2 => NE DEC WL

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR 965-A 552

**VEGETATION**

EXT

Plant Community Classification: <i>open field / maintained</i>					
Percent Canopy Cover:		Tree: $\emptyset$	Shrub: $\emptyset$	Herb: 100	Vine: $\emptyset$
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ranunculus</i>	H	FAC	9.		
2. <i>Taraxicum officinale</i>	H	FACU	10.		
3. <i>Dalium sp.</i>	H	FACU	11.		
4. <i>Phalaris arundinacea</i>	H	FACW	12.		
5. <i>Taraxicum autumnalis</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>&lt; 50%</i>					
Remarks: <i>* &lt; 5% cover</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

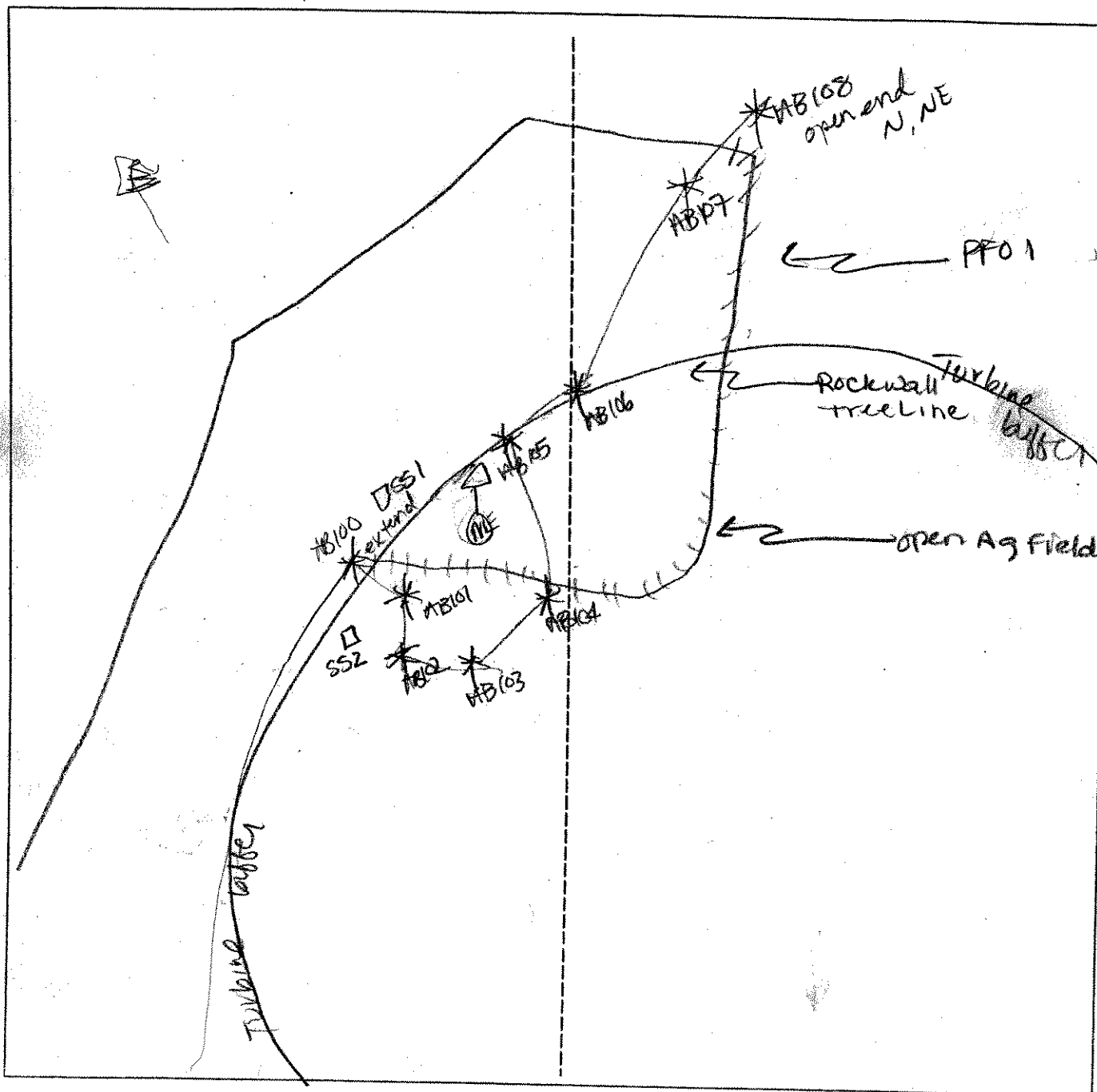
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1			silt
1-15	A	7.5YR 3/1	10YR 5/8	distinct, few, fine	silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: abundance of ARCS					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

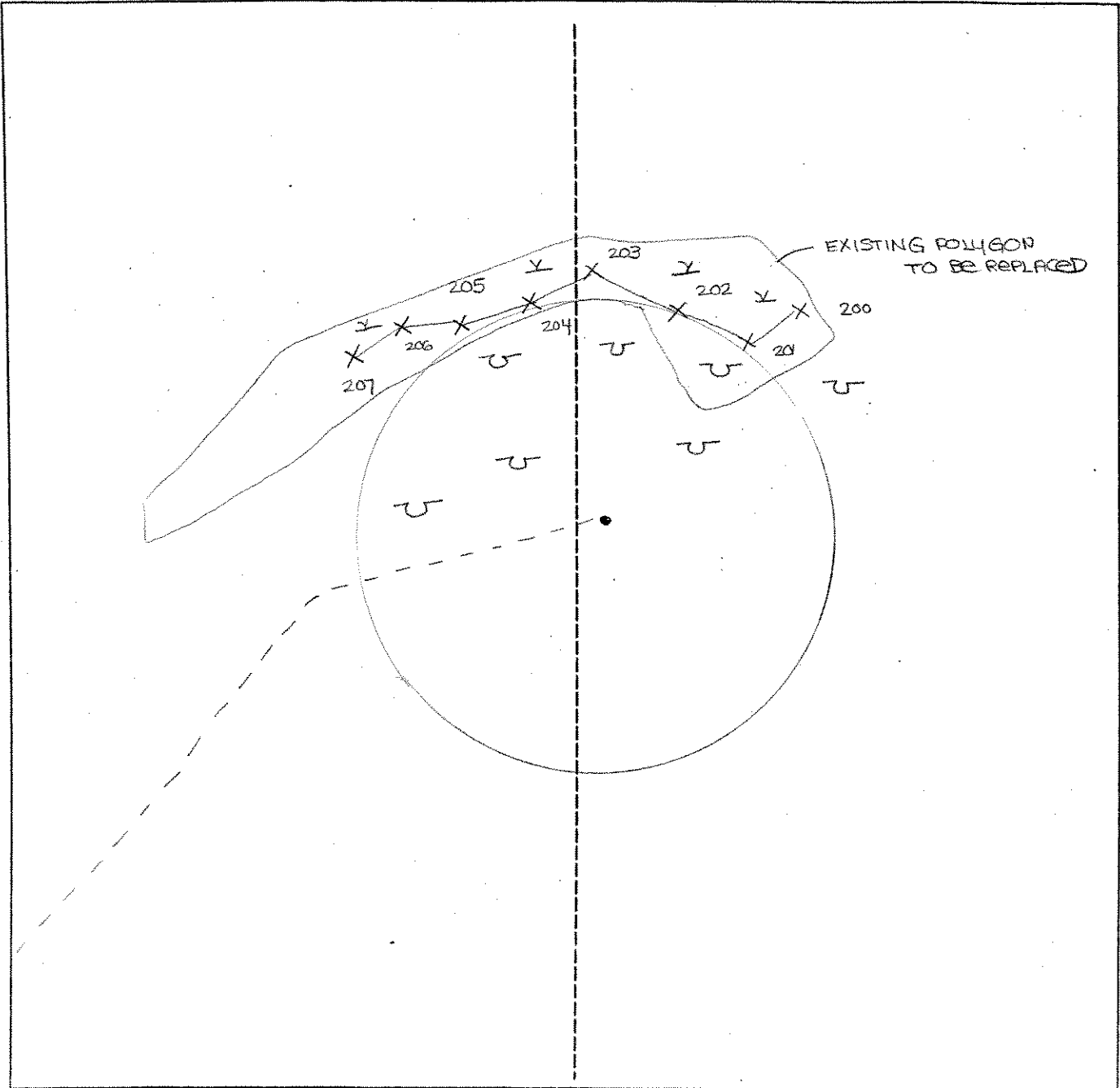
Wetland ID/Route #: <b>AR965A16</b> EXT	Date: <b>8 May 07</b>	Time:
Initials of Delineators: <b>JV; AP</b>	Location:	
Roll #: _____	Frames: <b>photo 2 NE</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**SKETCH FORM**

Wetland ID/Route #: AR 965-A1B	Date: 5/30/2007	Time:
Initials of Delineators: RJD / SC / LP	Location:	
Roll #:	Frames:	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 7/31/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: PFO / PEM Transect ID: Plot ID: AR-967 A-3 SSI

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: 60 Shrub: 35 Herb: 100 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Populus sp	T	FACH	9. <del>PEM PORTION</del>		
2. Betula populifolia	T/S	FAC	10. Eupatorium maculatum	H	FACW
3. Corylus coenuta	S	FACH	11. Onoclea sensibilis	H	FACH
4. Onoclea sensibilis	H	FACW	12. Carex crinita	H	OBL
5. Carex sp.	H	NFAC	13. Spiraea latifolia	H	FAC
6. Grass sp.	H	-	14. Polygonum sagittatum	H	OBL
7. Impatiens capensis	H	FACW	15. Impatiens capensis	H	FACW
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 10/13 = >50%					
Remarks: #3 on edge of WL boundary also mermaid weed, sphagnum > 20% Comp goldenrods.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC Wetlands <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): 3" Depth to Saturated Soil (in.): 0"	
Remarks:	



Date: 7/31/06  
 Community ID: PFO4  
 Plot ID: AR-967 A -SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	2.5Y 3/2			Coarse, Silty sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: some gravel present @ 3" , 1.5 cm at longest axis.  
 Consistent Refusal @ 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks DEC wetland  
 Photo # 1 to NE Photo 2 to SE  
 from SS1

Photo # 5 PEM portion to NE

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM   JV	Date: 8/31/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: AR-967A-SS2

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: 25% Shrub: 15% Herb: 100% Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Populus tremuloides	T/S	FACU	9.		
2. Prunus sp	T	FACU	10.		
3. Solidago canadensis	H	FACU	11.		
4. Phleum pratense	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%					
Remarks: also raspberry sp, unknown grass, viccia, Fraxinus					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): - Depth to Saturated Soil (in.): > 5"	
Remarks: Soil has no moisture, crumbles out of anger.	

Date: 8/11/06  
 Community ID:  
 Plot ID: AR-967A-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A <sub>1</sub>	3.5Y 3/2	-		Fibric sandy silt loam
4-5	A <sub>2</sub>	2.5Y 3/3	-		Silt loam w/ coarse sand and gravel

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal @ 5", shallow bedrock outcrop nearby

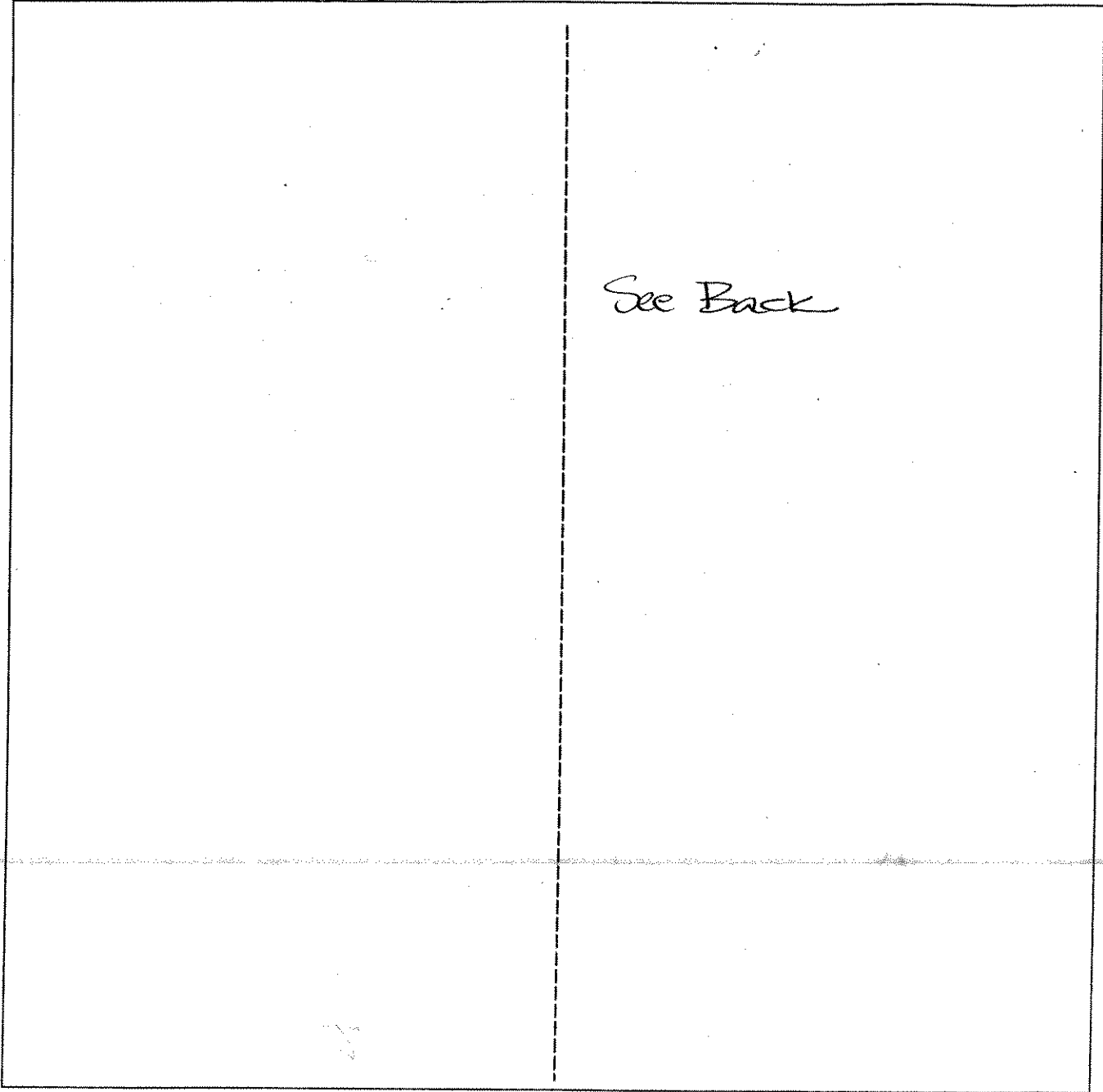
**WETLAND DETERMINATION**









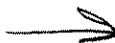
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

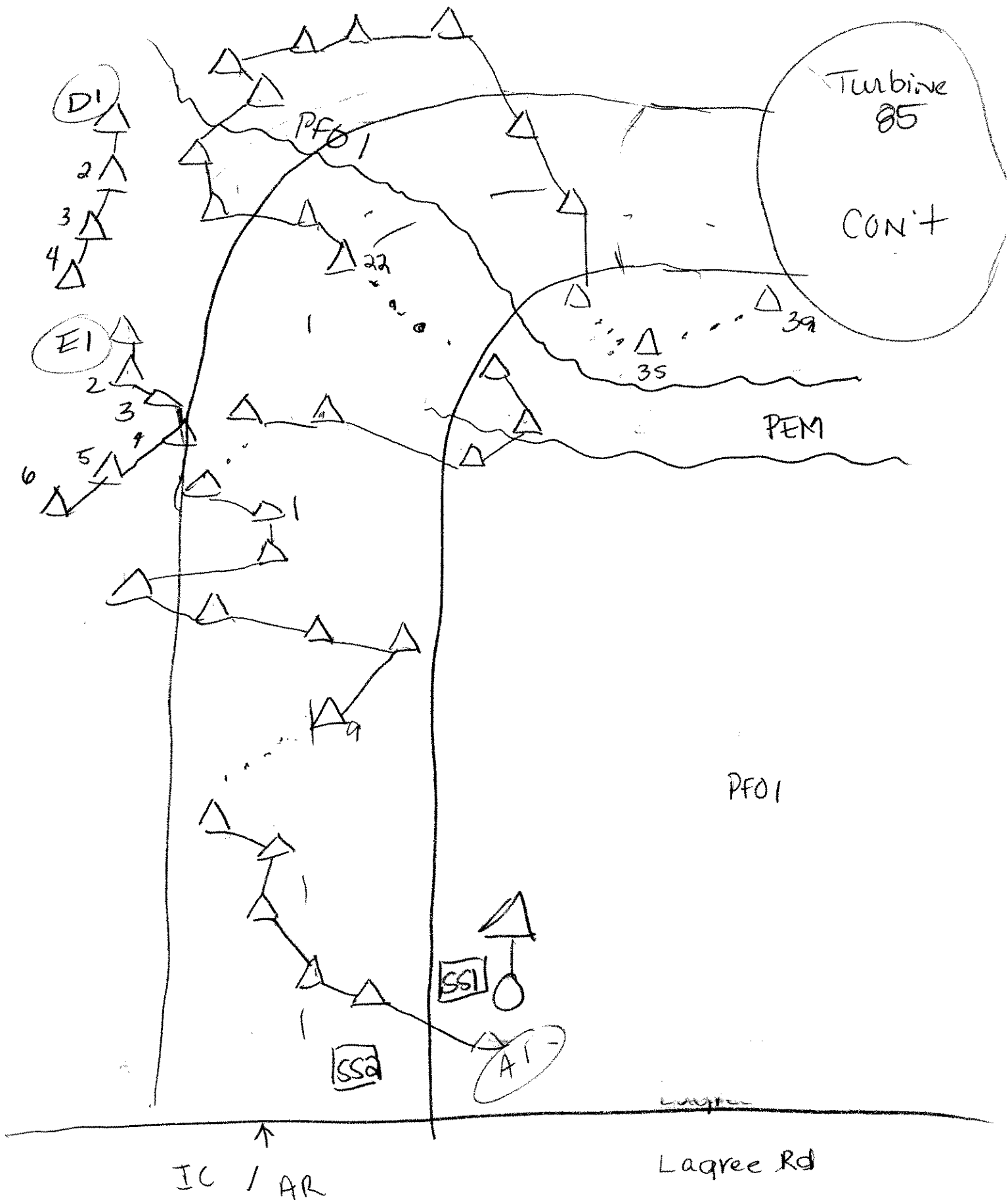
Remarks  
 photo #3 to 5  
 photo #4 to North

**SKETCH FORM**

Wetland ID/Route #: AR967A/D/E		Date: 7-31-06	Time:
Initials of Delineators: SM JV		Location: AR/IC from Lagree Rd to turbine OS	
Roll #:	Frames: => W		

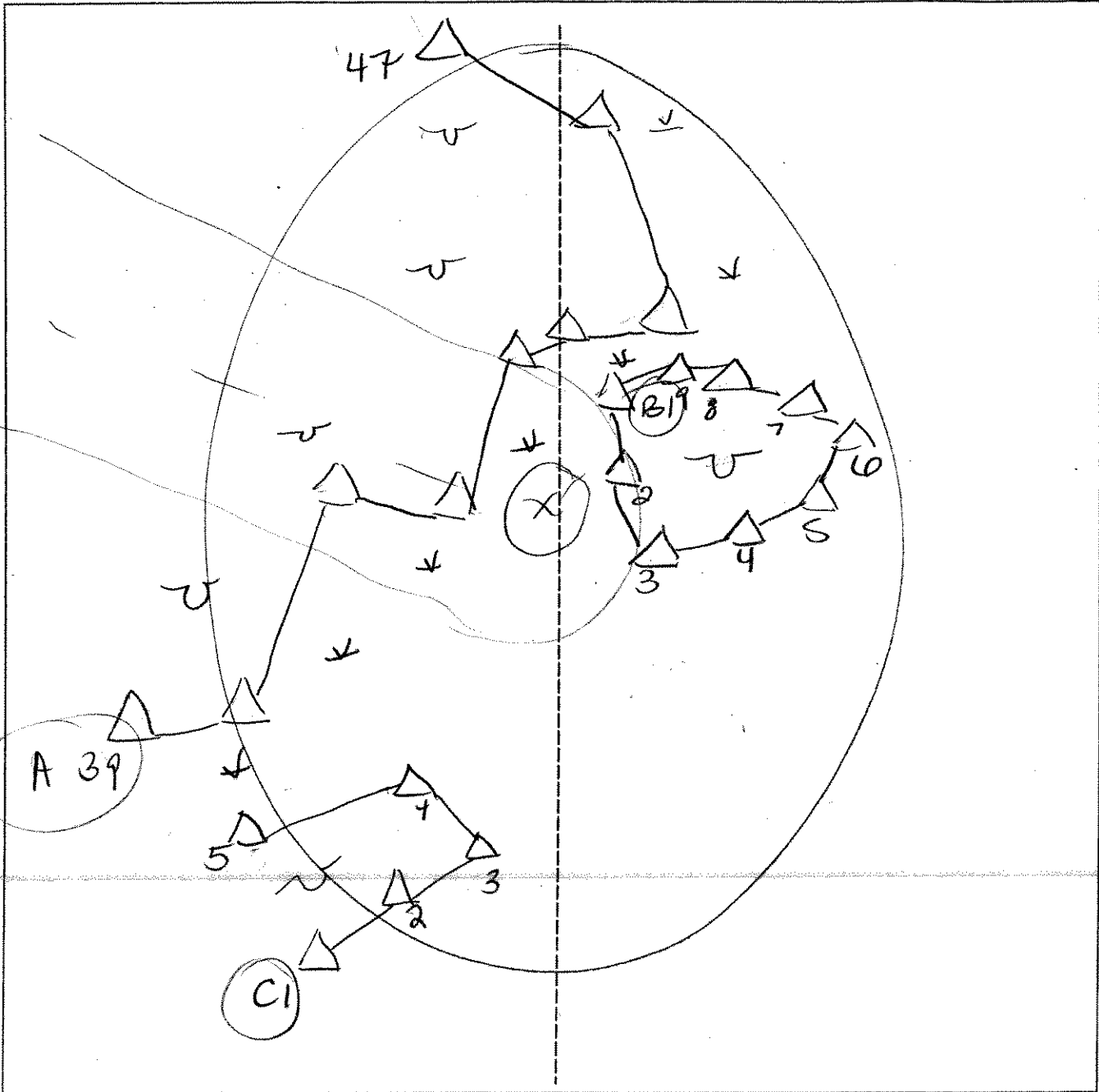


<b>Legend</b>		
	Photo Location/Direction	 Wetland
	Sample Station	 Upland
	Centerline	 Stream
	Flag	 Intermittent Stream
		



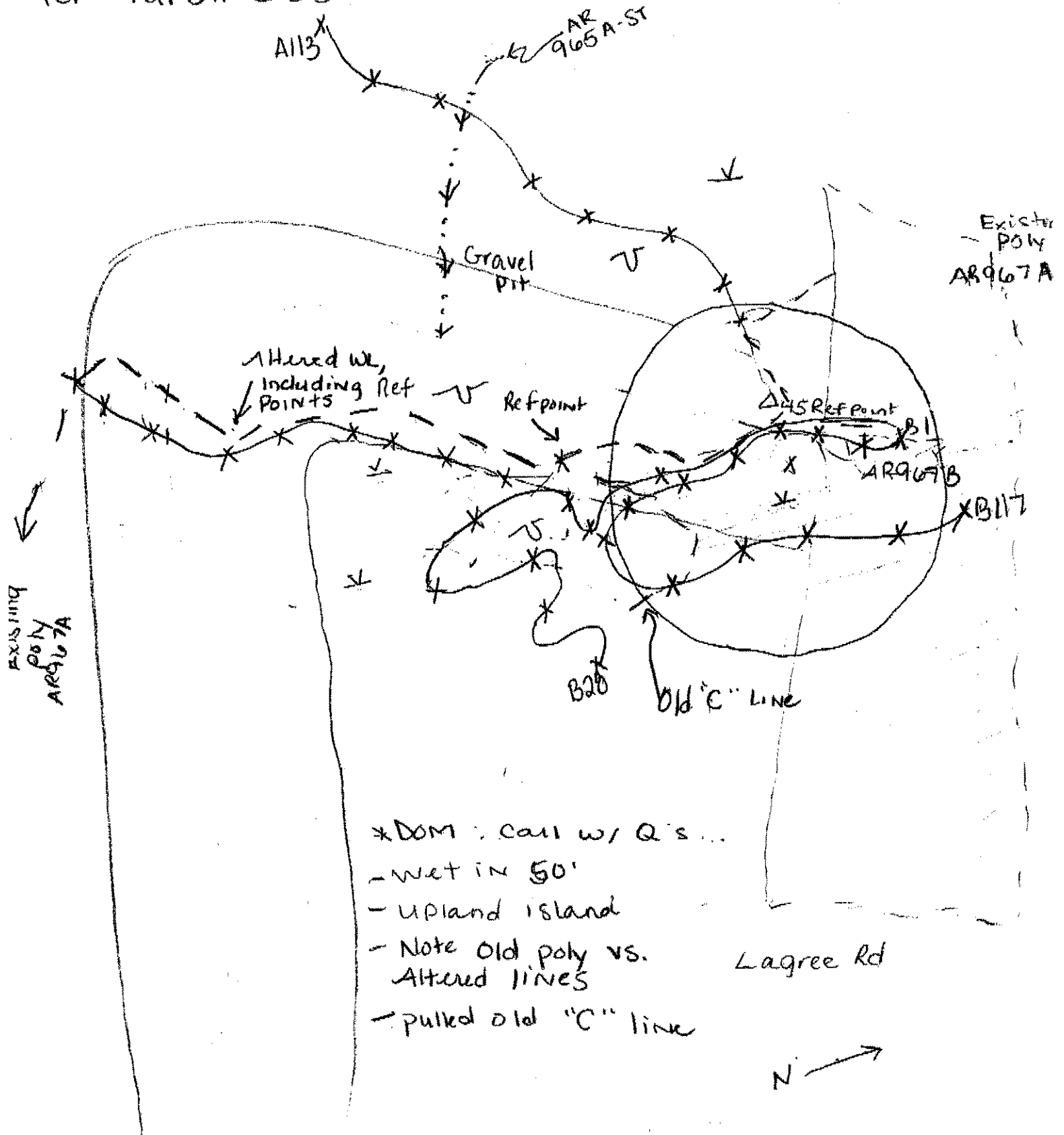
SKETCH FORM

Wetland ID/Route #: AR 96 TA/B/C	Date: 7-31-06	Time:
Initials of Delineators: SM JV	Location: ARIC to turbine 85	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

AK967 including AK467 A ST  
for turbine B5 + AR



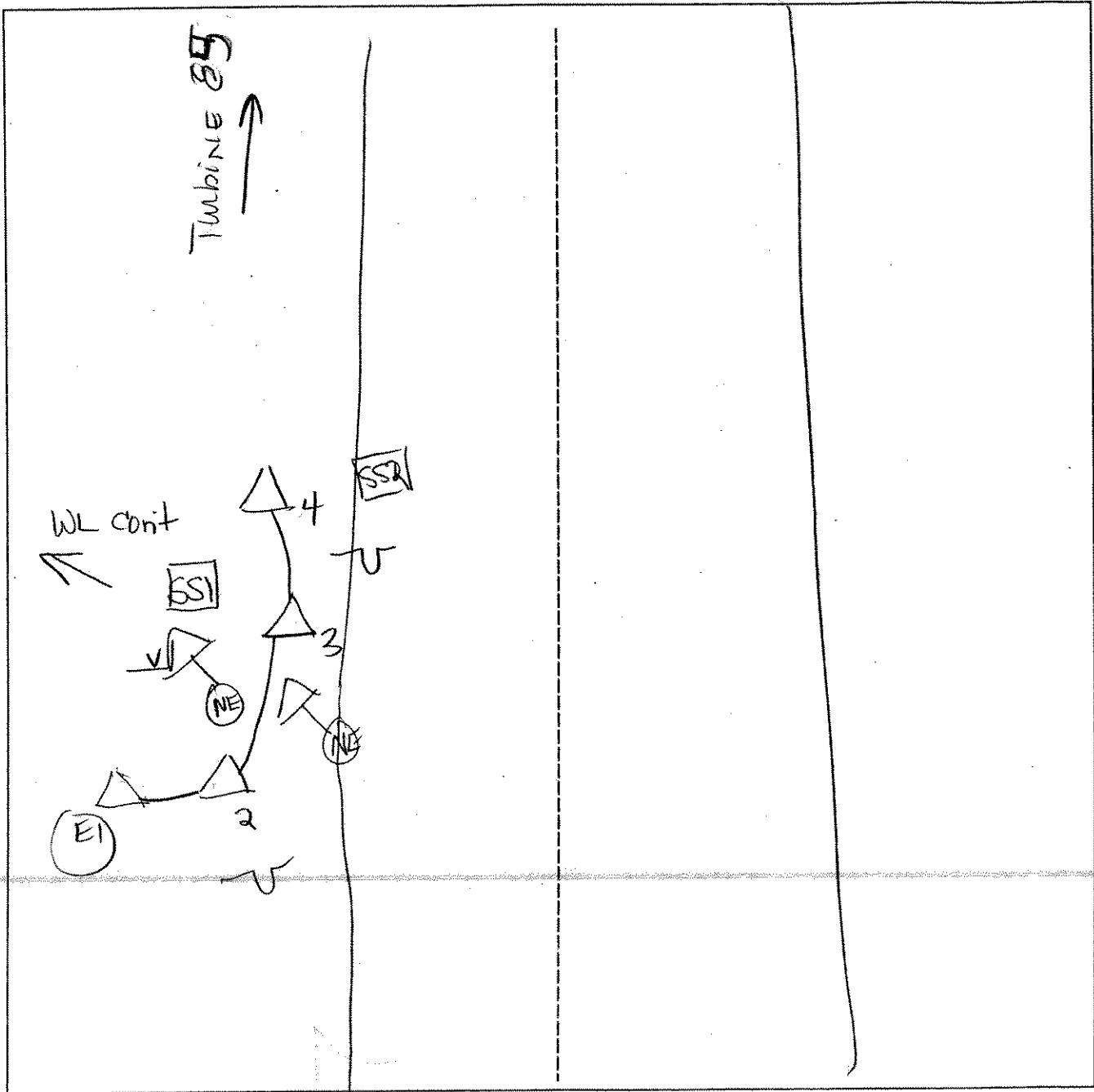
- \*DOM : call w/ Q's ...
- wet in 50'
- upland island
- Note old poly vs. Altered lines
- pulked old "C" line

Lagree Rd

N →

SKETCH FORM

Wetland ID/Route #: <b>AR967 E</b>	Date: <b>8-1-06</b>	Time:
Initials of Delineators: <b>SM</b>	Location: <b>AR/IC to Turbine 85</b>	
Roll #: <b>9</b>	Frames: <b>⇒ NE</b>	<b>   ⇒ NE</b>

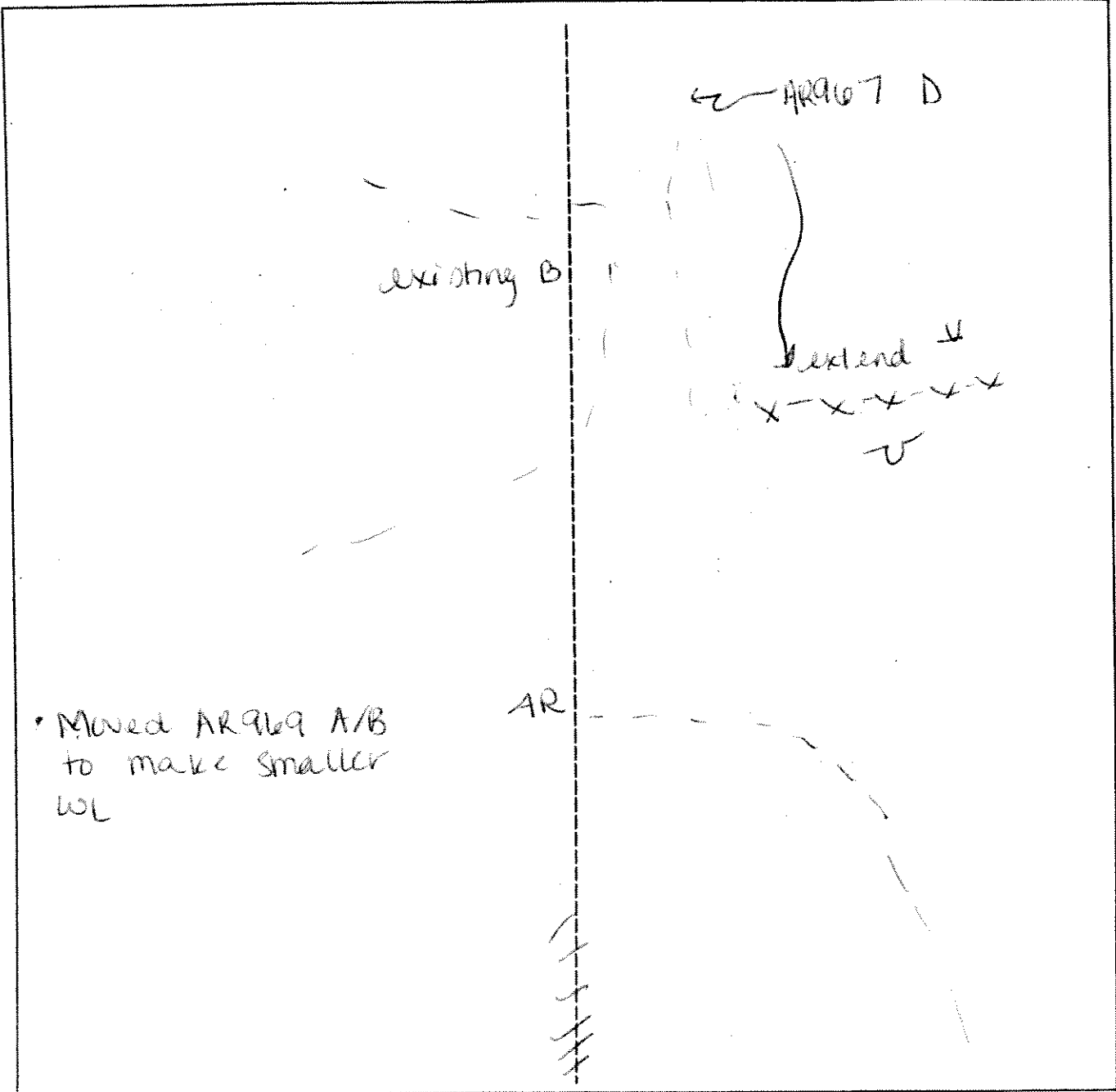


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: AR967D / AR1312A / AR969AB		Date: 10/14/06	Time: 0900
Initials of Delineators: JV IB		Location: Laque to IC/AR to T. 85	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

AA967D LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AF	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PFO/PBM Transect ID: Plot ID: AA967D-SS1

AC969 AB

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 00 Shrub: 50 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ulmus americana</i>	T	FACW	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Alnus incana</i>	T	FACW	11.		
4. <i>Spiraea</i> sp.	S	FAC	12.		
5. Marsh marigold	H	OBL	13.		
6. <i>Impatiens capensis</i>	H	FACW	14.		
7. Grass sp.	H	=	15.		
8. Moss sp.	H	=	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: Cannot id species b/c flower heads missing and leaves have not emerged completely.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): < 1" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 1"	
Remarks:	

Date: 5/1/07  
 Community ID: PFO/PBM  
 Plot ID:

AR907 A SS1  
 1C909 AB

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/1			silts

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: moist, saturated at surf, water surface, depth refusal @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Dec wet photo 7 ZN, NW

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR 967D SS2

1C969AD

**VEGETATION**

Plant Community Classification: <i>Balsam Flats</i>					
Percent Canopy Cover:		Tree: 05	Shrub: 20	Herb: 30	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>A. balsamea</i>	S	FAC	11.		
4. <i>Acer rubrum</i>	S	FAC	12.		
5. <i>Fragaria virginiana</i>	H	FACU	13.		
6. <i>Solidago sp</i>	H	—	14.		
7. <i>Viburnum lentiginos</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): > 50%					
Remarks: <i>cannot id species due to time of year</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/7/07  
 Community ID: UPL  
 Plot ID: AR967 A 852  
 1C969 AB

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR 2.5/2			
1-4	A	10YR 3/2			loam
4-14	B	10YR 3/2	10YR 4/3	distinct, few, med.	sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: slight organic streaking in B, soil dry to moist

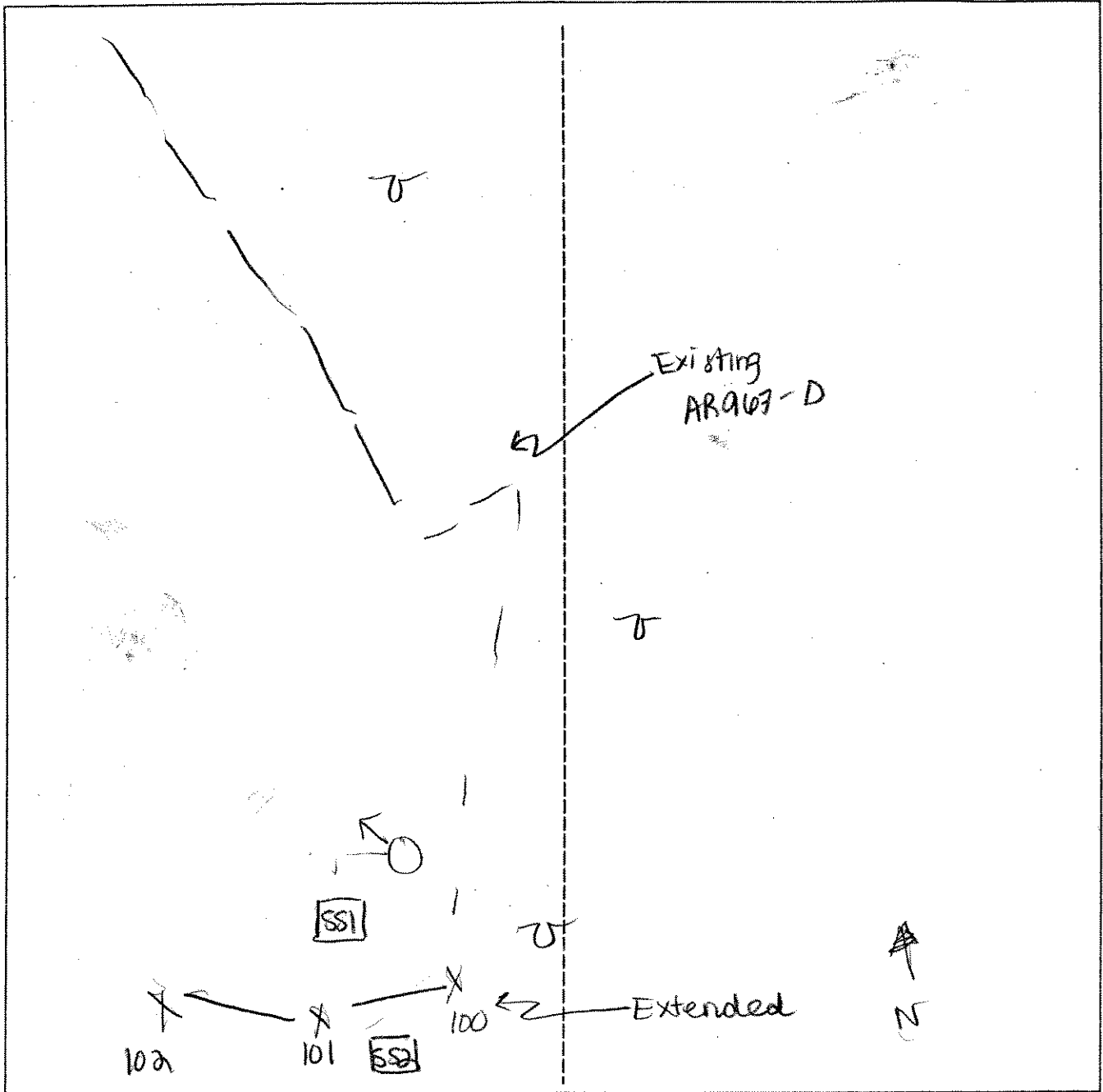
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR967 D EXT</b>	Date: <b>5/7/07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location: <b>W of T. 85</b>	
Roll #:	Frames: <b>6 = N, NW</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: PSS / pem Transect ID: Plot ID: AR967E SSI

EXT

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <10 Shrub: 75 Herb: 99 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus incana</i>	T	FACW	9.		
2. <i>Alnus incana</i>	S	FACW	10.		
3. <i>Acer rubrum</i>	T	FAC	11.		
4. <i>Marsh Marigold</i>	H	OBL	12.		
5. <i>Sparganium angustifolium</i>	H	FACW	13.		
6. <i>Grass sp</i>	H		14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in Scattered spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <1" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: upland areas slope into WL to SW - WL receives surface and ground water discharge. UPL areas include woods and gravel access road.	

Date: 5/7/07  
 Community ID: PSS/PEM  
 Plot ID: AR908 E SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/2	2.5Y 5/3	rustnet, few med.	silt
10-13	B	2.5Y 5/3			silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: oxidized root channels in A, soil moist, saturated at 10"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: photo to = SW ; DEC WL			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: AP JV	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR967 E 552

EXT

**VEGETATION**

Plant Community Classification: *Mixed deciduous*

Percent Canopy Cover: Tree: 80 Shrub: 60 Herb: 40 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus grandidentata</i>	T	FACU-	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>A. rubrum</i>	S	FAC	11.		
4. <i>Solidago sp</i>	H	—	12.		
5. <i>Fraxinea Virginiana</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%.

Remarks: *Cannot find species due to time of year*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/7/07  
 Community ID: AR967E  
 Plot ID: 332

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	2.5Y 3/3			loamy sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal @ 10", soil very gravelly & dry

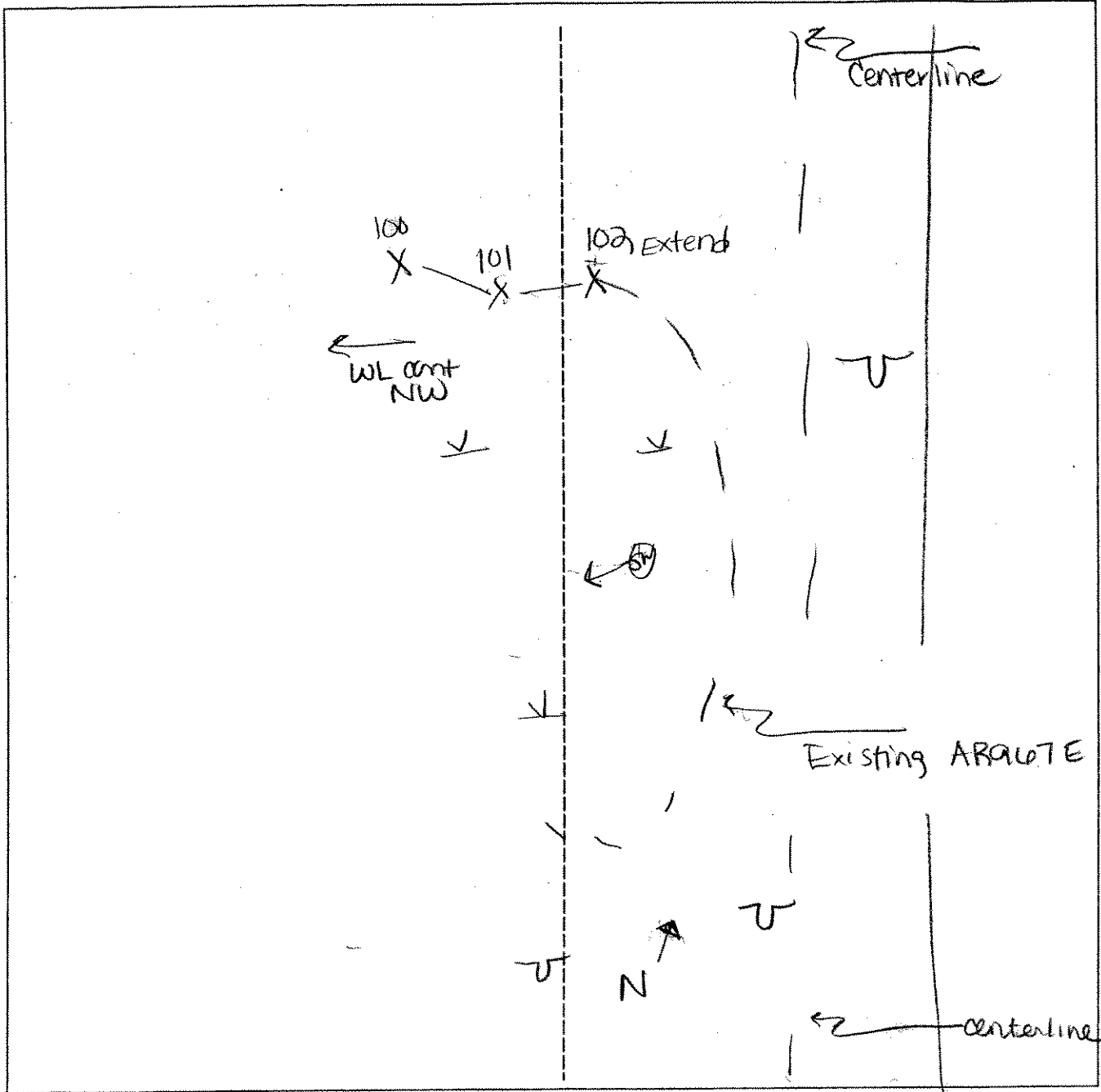
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Remarks

**SKETCH FORM**

Wetland ID/Route #: AR967 E EXT	Date: 5/7/07	Time:
Initials of Delineators:	Location: SW of T. 85	
Roll #:	Frames: 6 = SW	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 7/31/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; width: 50%;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: (PEM) Transect ID: Plot ID: AR-968A-551							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: 15 Shrub: 25 Herb: 100 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Slippery Elm	S	FACW	9.		
2. Gray birch	T	FAC	10.		
3. Silky Willow	S	OBL	11.		
4. Speckled Alder	S	FACW+	12.		
5. Lance leaf coldweed	H	FAC	13.		
6. Solidago rigosa	H	FAC	14.		
7. Canada Thistle	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/7 > 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC Wetland <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): - Depth to Saturated Soil (in.): > 5"	
Remarks: Photo # 8 to NE from Lagree Rd	

Date: 7/31/06  
 Community ID:  
 Plot ID: AR-968 A-SS1

**SOILS**

Map Unit Name (Series and Phase): Topknot - Chazy complex      Drainage Class: Somewhat Poorly drained  
 Taxonomy (SubGroup): \_\_\_\_\_      Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 2/2	-		coarse sandy loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils       |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                         |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                        |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                     |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input checked="" type="checkbox"/> Other (Explain in Remarks) <u>DEC Wetland</u> |

Remarks: Refusal @ 5"

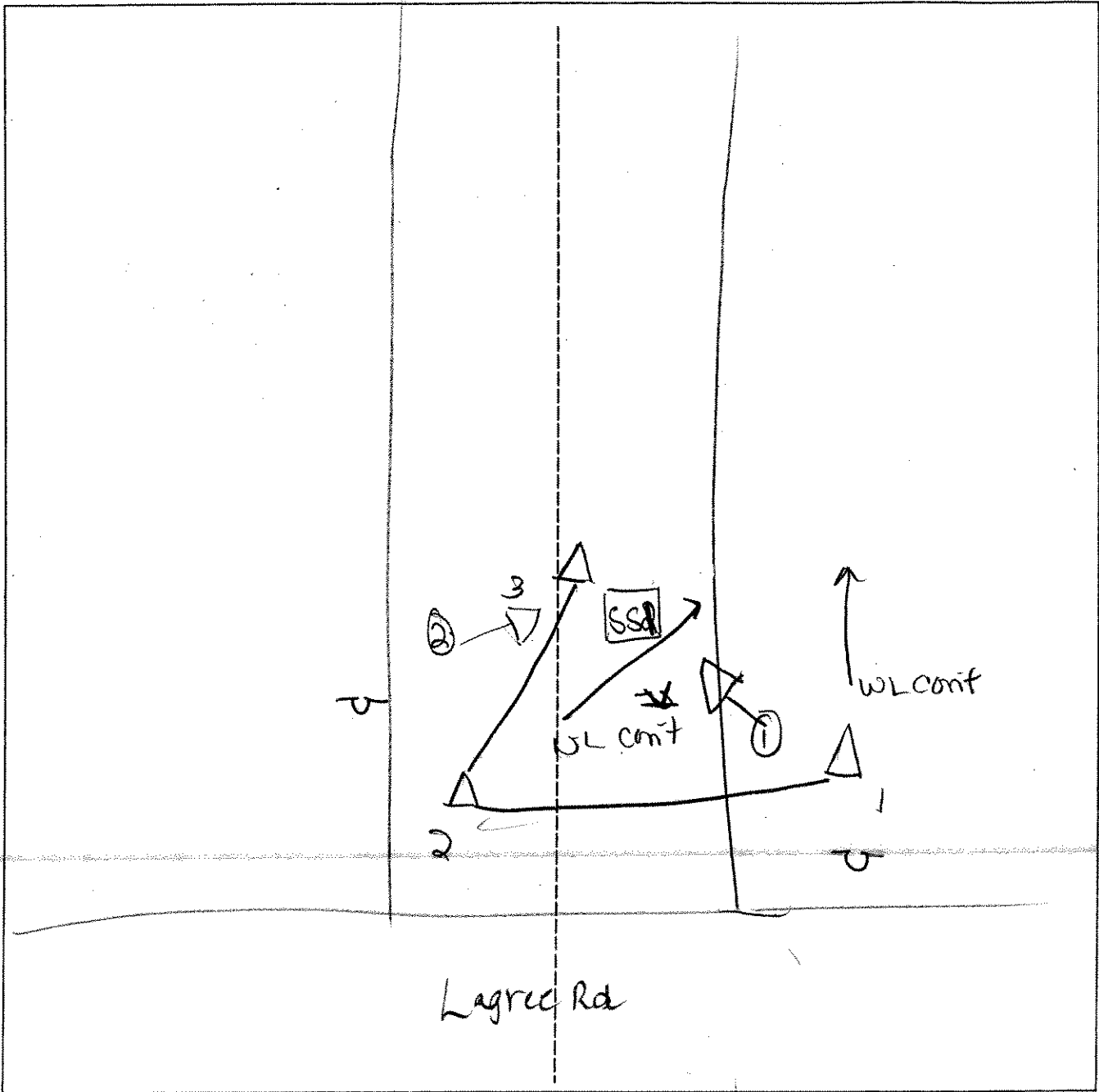
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks: Shared upland station w/ AR-967 A-SS2

**SKETCH FORM**

Wetland ID/Route #: AR960A	Date: 7-31-06	Time:
Initials of Delineators: SM JV	Location: AR/IC from Lagree Rd to turbine 05	
Roll #:	Frames: 1 ⇒ NW	2 ⇒ NWE



<u>Legend</u>		
○ ↙ Photo Location/Direction	∇ Wetland	↑
□ Sample Station	U Upland	
- - - Centerline	— Stream	
△ Flag	- . . Intermittent Stream	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
	Community ID: PSS/PEM Transect ID: Plot ID: AR468-A SS

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 45 Shrub: 20 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Alnus incana</i>	B	FACW	10.		
3. <i>Cornus alternifolia</i>	S	FACW	11.		
4. <i>Prunella serotina</i>	H	FACW	12.		
5. Marsh Phlox	H	IBL	13.		
6. <i>Ulmus americana</i>	T	FACW	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated @ 12" <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): NA Depth to Saturated Soil (in.): 12"	
Remarks:	

Date: 7 May 07  
 Community ID: AR 968A  
 Plot ID: SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	5YR 3/1			silt
12-16	B	5Y 5/2	10YR 4/6	many med., pram	clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: organic streaks in B. soil dry to moist, no saturations oxidized root channels in A.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks: Photo 6 = W Wetland vegetation OBL to FACW. Area appears to have been met over long periods of time.			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/7/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPL</i> Transect ID: Plot ID: <i>AR96 @ A 552</i>

EXT

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>25</i>	Shrub: <i>40</i>	Herb: <i>100</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Malus sp.</i>	T	FACU	9.		
2. <i>Crataegus sp.</i>	T	FACU	10.		
3. <i>Ulmus americana</i>	T	FACW	11.		
4. <i>Spina latifolia</i>	S	FAC	12.		
5. <i>Solidago sp.</i>	H	—	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>cannot i.d due to time of year</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/7/07  
 Community ID: UPL  
 Plot ID: AR968 A 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/2			silt loam
8-14	B	5Y 6/3	2.5Y 7/2	faint, common, med	sandy clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: organic streaks in B, soil dry to. Mighthy moist

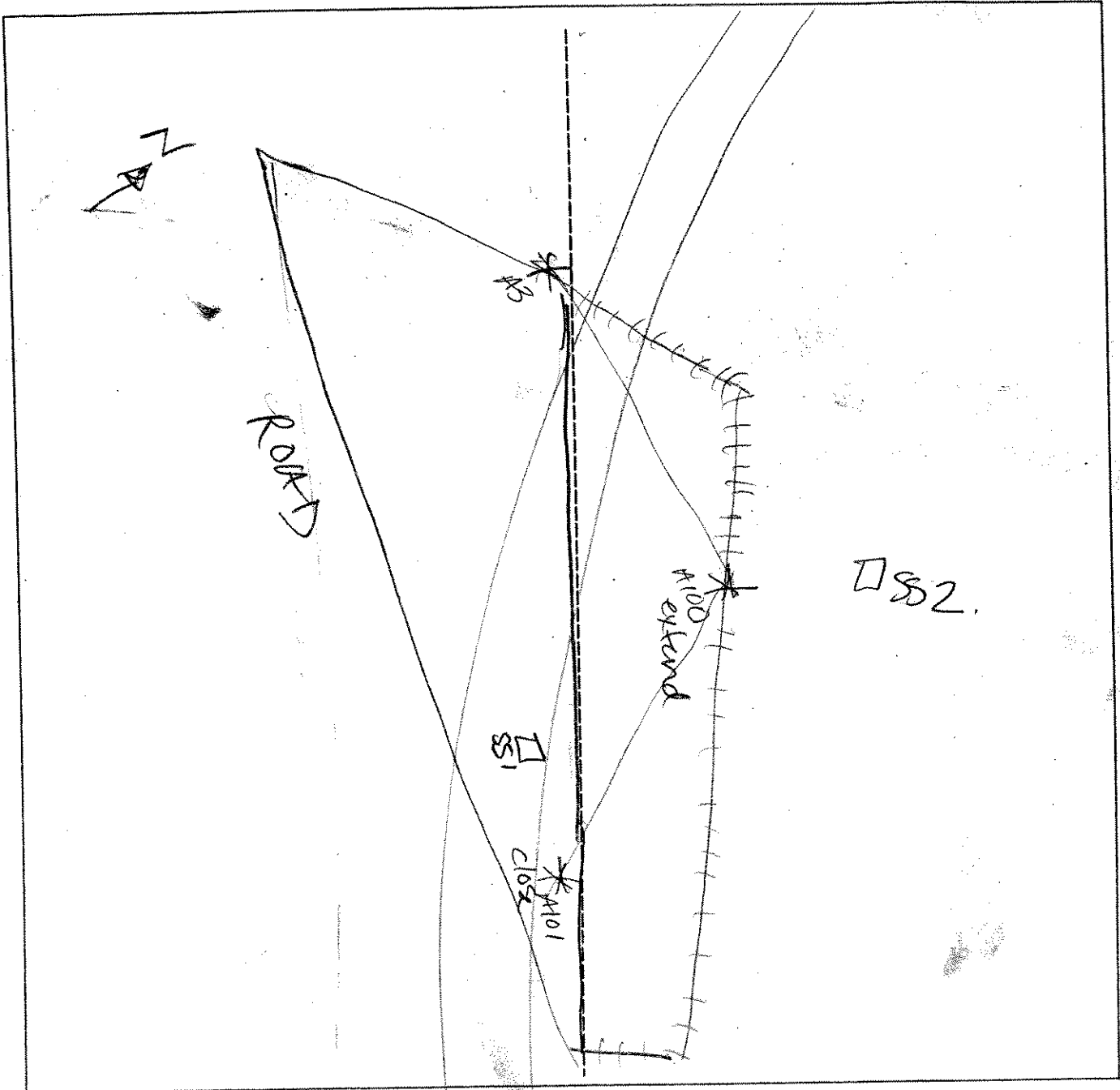
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>AR968A</b> EXT	Date: <b>17 May 07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM JV RA SC	Date: 8.16.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No <input type="radio"/> (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: AR 986AB-551

**VEGETATION**

Plant Community Classification: PFO1					
Percent Canopy Cover: Tree: 20 Shrub: 50 Herb: 30 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. A. Rubrum	T	FAC	9. Vib. lentago	H	FAC
2. B. populifolia	T	FAC	10.		
3. A. rubrum	S	FAC	11.		
4. V. Lentago	S	FAC	12.		
5. Alnus rugosa	S	FACW+	13.		
6. Sphagnum	H	OBL*	14.		
7. Coptis groenlandica	H	FACW	15.		
8. A. rubrum	H	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: Other vege includes various Carex sp., Osmunda sp., and include Vaccinium sp. on high spot. vegetation has not yet fully recovered from logging & PIT, presume OBL					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPS <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): ∅  Depth to Free Standing Water in Pit (in.): ∅  Depth to Saturated Soil (in.): ∅	
Remarks: Frequent ponded areas within wetland include tire tracks from recent logging. Hydrology interrupted with overland flow. Surface water flows North.	

Date: 8.16.06  
 Community ID: upland  
 Plot ID: AR986A/B-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O				organics
4-6	E	10YR 4/2			coarse sand

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: O Horizon was 4" layer of sphagnum and peat moss over bedrock. Inclusions of decaying leaf litter. Surface water flow contributes to erosional problems

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: Problem area due to high disturbance as a result from logging activities

Photo P081604 includes skidder trail w/ wetland continuing beyond.

Photo: P08160013 + 0014  
 (W) (N)

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD SM SO JV</u>	Date: <u>8-16-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>AR986A/B-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>50</u> Herb: <u>50</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Vaccinium Cornubosum</u>	<u>H</u>	<u>FACU</u>
2. <u>F. grandifolia</u>	<u>T</u>	<u>FAC</u>	10. <u>Aster acuminatus</u>	<u>H</u>	<u>UPL*</u>
3. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>V. lentago</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>P. grandidentata</u>	<u>S</u>	<u>FACU</u>	14.		
7. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Menthemum canadense</u>	<u>H</u>	<u>FAC-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/10 - 50%</u>					
Remarks:					
* NI - assume UPL					

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input checked="" type="checkbox"/> Other <u>DEC/TOPO</u></p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>4"</u></p>	
Remarks:	

Date: 8-16-06  
 Community ID: Upland  
 Plot ID: AR986A/B-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O		-	-	organics
2-4	A	10YR 2/1	-	-	Sandy loam
4-10	E				Coarse sandy silt

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No	

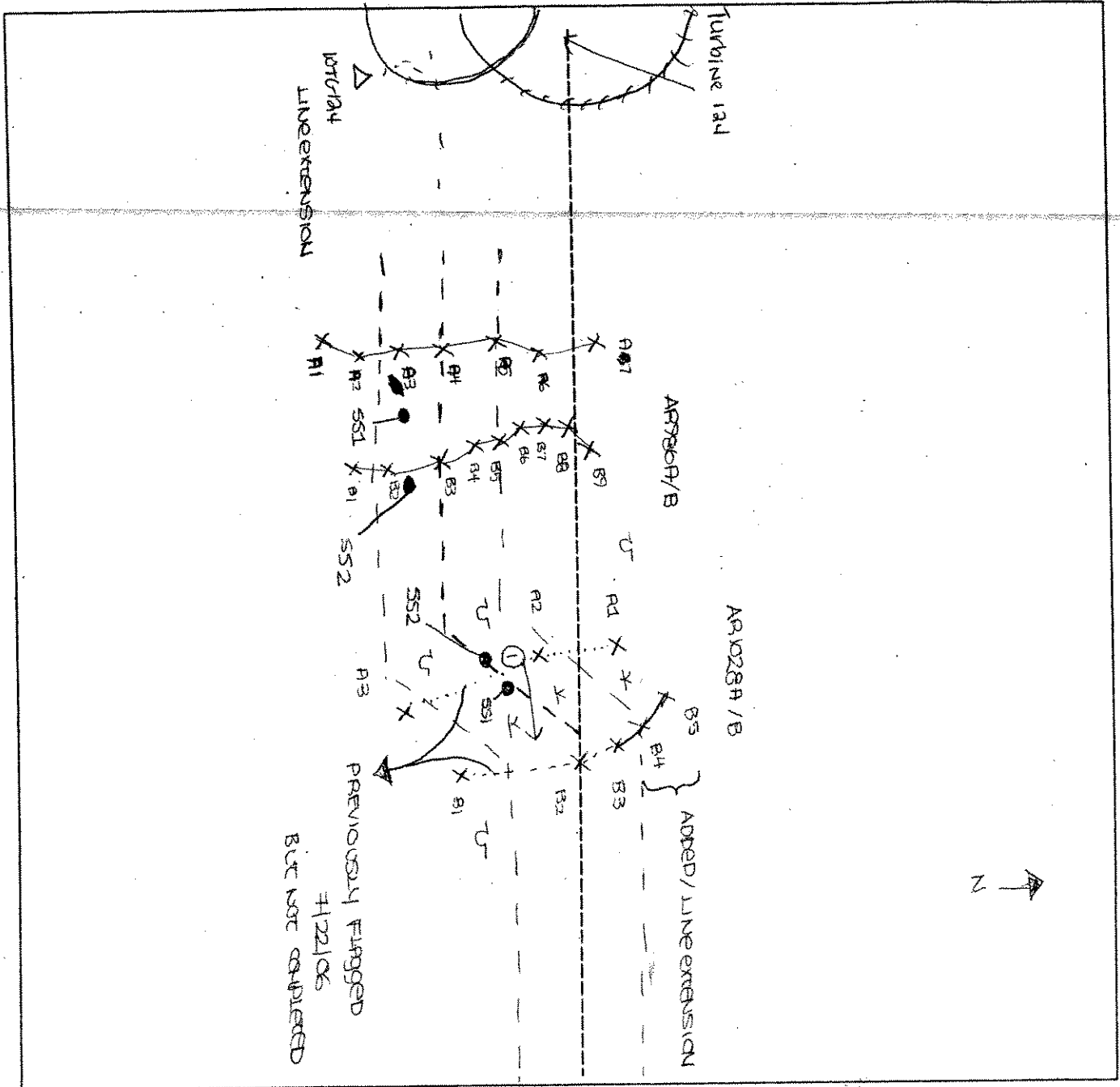
Remarks: Heavily logged area with major disturbance resulting in problem area.

P 08160115 = E

AR986 A/B

SKETCH FORM

Wetland ID/Route #: AR1028 A/B (COMPLETION OF) * SEE 7122106	Date: 8/16/06 <del>05</del>	Time: PM
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO ① FACING EAST	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD / SC	Date: 7/13/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes No Yes No Yes No
Community ID: WETLAND Transect ID: AR1008A Plot ID: SSI	

**VEGETATION**

Plant Community Classification: PALUSTRINE FORESTED M/R (DECID+CONIF)					
Percent Canopy Cover: Tree: 80 Shrub: 20 Herb: 50 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. BALSAM FIR	C/S/H	FAC	9.		
2. RED MAPLE	T/S	FAC	10.		
3. SERVICE BERRY	S	FAC	11.		
4. GRAY BIRCH	T	FAC	12.		
5. CINNABON FERN	H	FACW	13.		
6. CANADA <del>MAPLE</del> MAYFLOWER	H	FAC	14.		
7. SPHAGNUM	H	OBL	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 2" Depth to Saturated Soil (in.): 0 IN	
Remarks: photo F -> SE AT SSI	

Date: 7/13/06  
 Community ID: WERNIS  
 Plot ID: AR1008A-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	-	-	-	PEAT (sphagnum)
3-6	A	10YR 2/1	-	-	Silt loam (sandy)

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - PERM to depth AT 6"  
 - SHALLOW BEDROCK

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SC, BD</i>	Date: <i>7/13/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: <i>A21008A</i> Plot ID: <i>552</i>

**VEGETATION**

*Upland Forest Decid & Conifer mix*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85%</i> Shrub: <i>40%</i> Herb: <i>20%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sweet gum</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Red maple</i>	<i>S</i>	<i>FACU</i>	10.		
3. <i>White oak</i>	<i>T/S</i>	<i>FAC</i>	11.		
4. <i>Black oak</i>	<i>T</i>	<i>FACU</i>	12.		
5. <i>Hamamelis</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Mayflower</i>			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i>  Depth to Free Standing Water in Pit (in.): <i>n/a</i>  Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 7/13/06  
 Community ID: Upland  
 Plot ID: AR100BA-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	-	-	-	Organic (10% h. 1) 10
2-6	A	10YR 2/1	-	-	Silt clay
6-8	B	7.5YR 4/2	-	-	Sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*Revised depth at 8"*

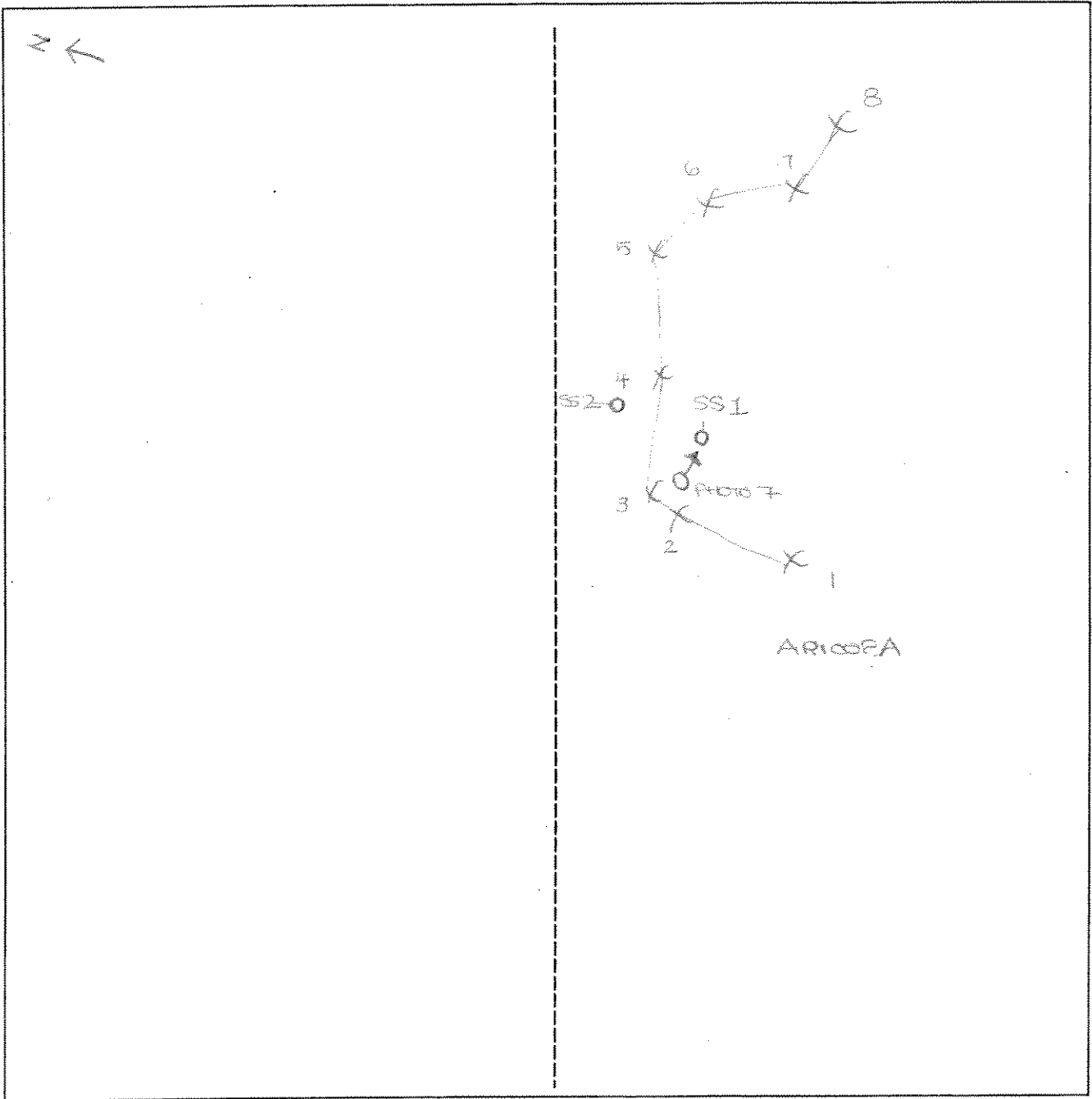
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Hydric Soils Present? <i>borderline</i>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1008A	<b>Date:</b> 7/12/06 <b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO 7 FACING SOUTHWEST	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

NOTE  
FC WETLAND  
NOT AIC

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SC</i>	Date: 7/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 20px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 20px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 20px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>AR1009A</i> Plot ID: <i>551</i>

**VEGETATION** *PFO - Decid*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *75%* Shrub: *20%* Herb: *50%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T/S	FAC	9. <i>CAREX sp</i>	H	<i>no less than 10%</i>
2. Sugar maple	T/S	FACW-	10.		
3. Green Ash	T/S	FACW	11.		
4. American Elm	T/S	FACW-	12.		
5. Water Birch	H	FAC	13.		
6. <i>MORONA</i> <small>MORONIA</small>	H	FAC-	14.		
7. Serviceberry	SH	FAC	15.		
8. <i>Club moss</i>	H	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: \_\_\_\_\_

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>10"</i> Depth to Saturated Soil (in.): <i>0"</i>	Remarks: <i>H2O Drain to NE</i> <div style="text-align: right;"><i>BUTTERFLY</i></div> <p style="font-size: 1.2em; margin-top: 10px;"><i>Photo 8 =&gt; N for AR1009A-5 towards 551</i></p>

Date: 7/13/06  
 Community ID: WETLAND  
 Plot ID: AR1009ASS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR5/2	—	—	Silt loam w/ org
4-18	B	10YR4/2	10YR4/6	Fine/Few/Faint	SANDY CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No	
Wetlands Hydrology Present?	Yes	No			Yes	No
Hydric Soils Present?	Yes	No				

Remarks:

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RMS, SC</u>	Date: <u>7/13/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? Yes <u>No</u> Is the area a potential Problem Area? Yes <u>No</u> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR1009-A</u> Plot ID: <u>552</u>

**VEGETATION** UPLAND DECIDUOUS FOREST

Plant Community Classification:  
Percent Canopy Cover: Tree: 85% Shrub: 5% Herb: 70% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. SUGAR MAPLE	T/K/H	FACW-	9.		
2. SWEETGUM	S	FAC	10.		
3. WOOD BEECH	H	FAC	11.		
4. CANADA LILLY	H	FAC-	12.		
5. CLUB MUSH	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: Armor beech observed in close proximity

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 7/13/06  
 Community ID: Upland  
 Plot ID: AR1009A-SSJ

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 3/2	—	—	Silt loam
8-18	B	10YR 4/3	—	—	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

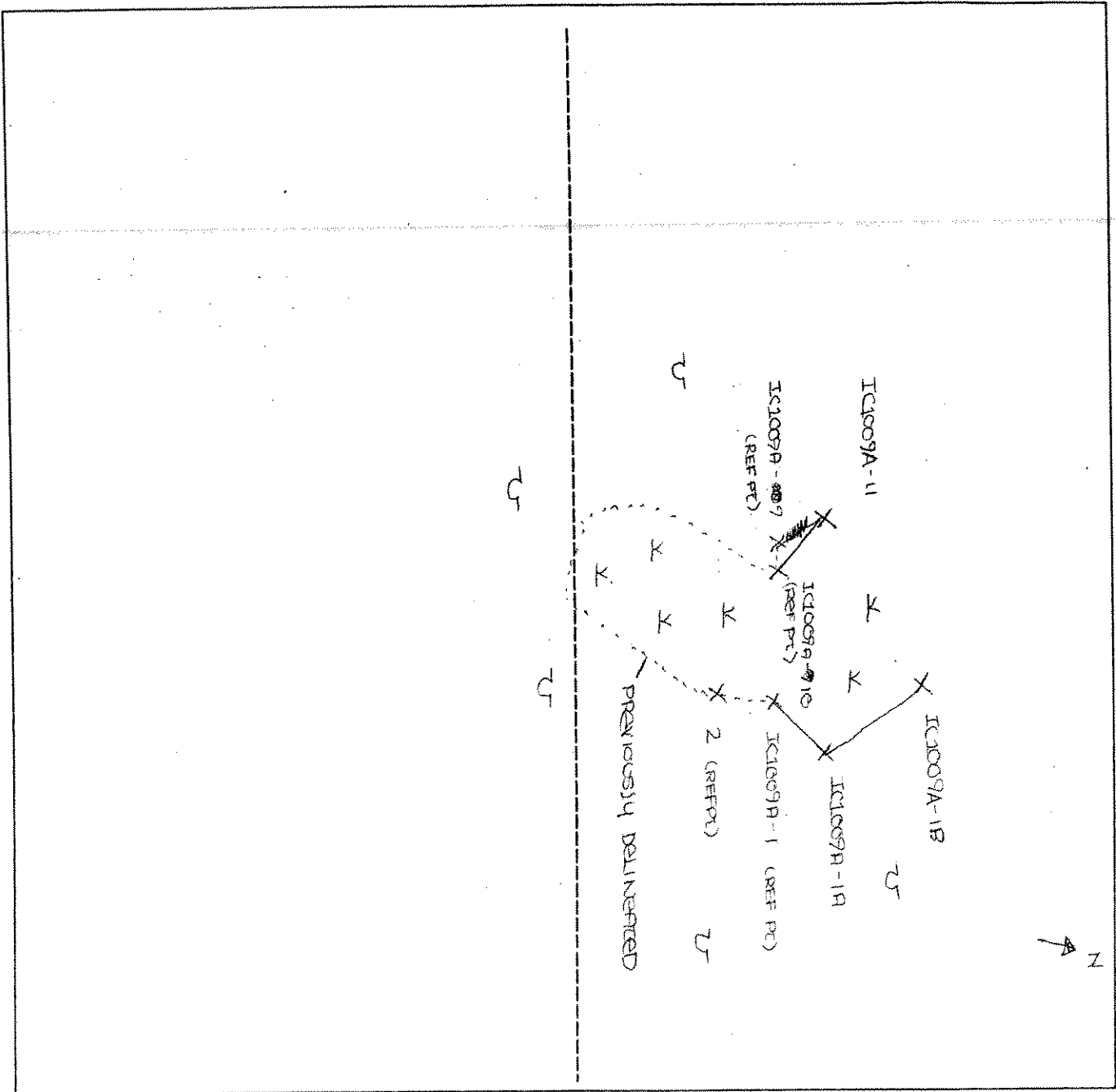
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



# Line extension

## SKETCH FORM

Wetland ID/Route #: IC1009A (LINE EXTENSION)	Date: 8/19/06	Time: AM
Initials of Delineators: JV / SM / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BL</u>	Date: <u>7-18-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>AR 1017-A-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>10</u> Herb: <u>95</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	H	OBL	9. <i>Utricularia riparia</i>	ABW	FACW
2. <i>Sensitivum fern</i>	H	FACW	10. <i>Water horehound</i>	OH	OBL
3. <i>Juncus effusus</i>	H	FACW	11.		
4. <i>Carex scariosa</i>	H	FACW	12.		
5. <i>Agrostis alba</i>	H	FACW	13.		
6. <i>Fall buttercup</i>	H	FACW	14.		
7. <i>Timothy</i>	H	FACW	15.		
8. <i>Silene sp.</i>	SH	assumed	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>2"</u>	Remarks:

Date: 7-18-06  
 Community ID: wetland  
 Plot ID:

AR 1017-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:				
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No				
Profile Description:						
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.	
0-12	Ap	2.5Y 3.5/1	7.5YR 3/3	75%	Sandy loam	
12-16+	Bw	2.5Y 6/2	10YR 9/6	75%	loamy sand	
Hydro Soil Indicators						
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:						

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
PE #1 → w			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BR</i>	Date: <i>7-18-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1017-4-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input type="radio"/>	Shrub: <input type="radio"/>	Herb: <i>100</i>	Vine: <input type="radio"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>Agrostis alba</i>	<i>H</i>	<i>FACU</i>	10.		
3. <i>Sweet vernal grass</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Aquopyrum repens</i>	<i>H</i>	<i>FACU</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <span style="float: right;"><i>None</i></span> <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <span style="float: right;"><i>None</i></span>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

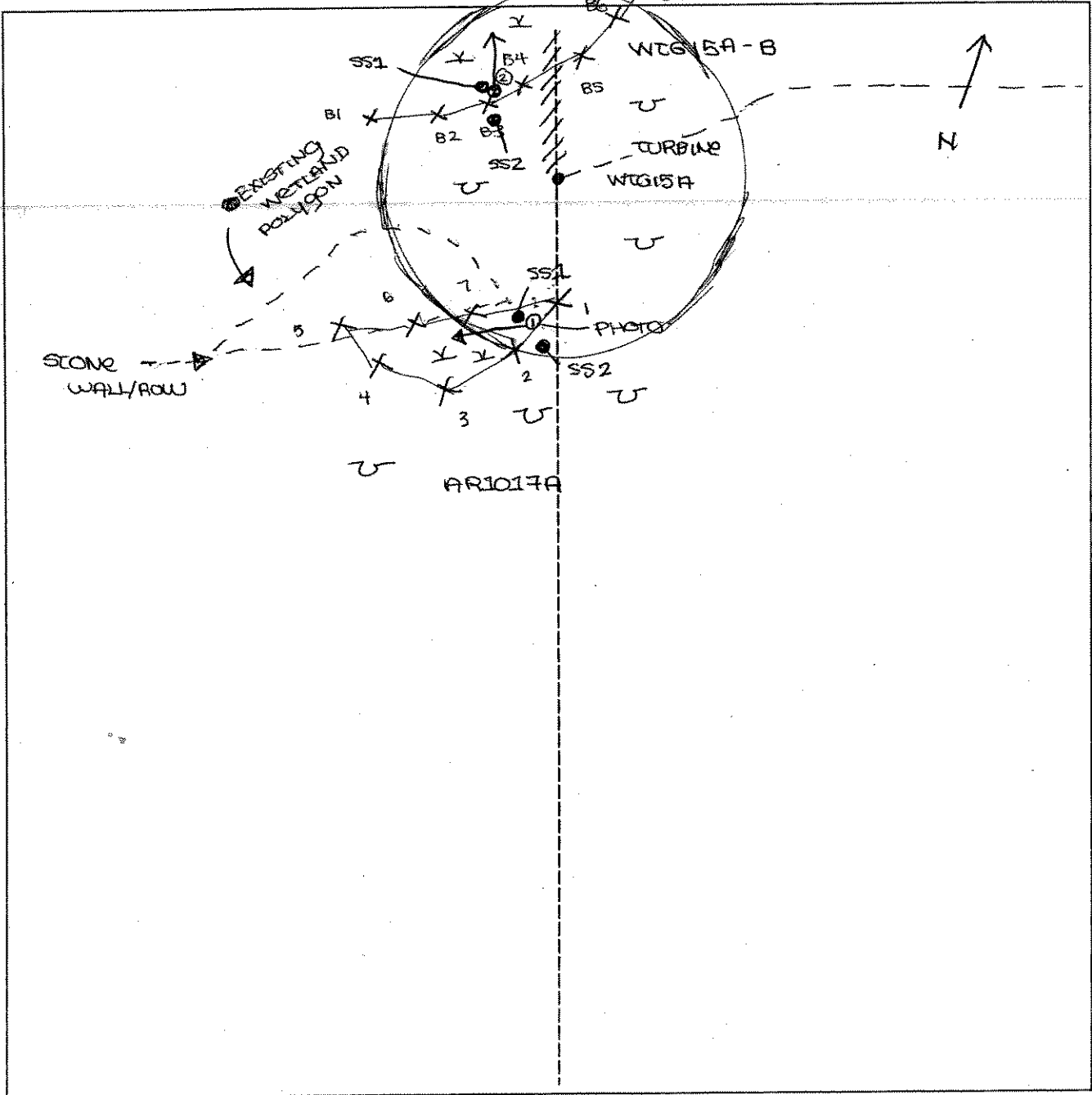
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR 3/2	None	—	—
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

**SKETCH FORM**

Wetland ID/Route #: <b>WEGISA-B</b> <b>AR1017A</b>	Date: <b>7/18/08</b>	Time:
Initials of Delineators: <b>BQ / SC</b>	Location: <b>MARBLE RIVER</b>	
Roll #:	Frames: <b>PHOTO 1 FACING WEST</b> <b>PHOTO 2 FACING NORTH</b>	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BC</i>	Date: <i>7-20-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: <i>wet</i> Transect ID: Plot ID: <i>ARIC 1021-A-551</i>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *65* Shrub: *20* Herb: *30* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Populus populiifolia</i>	T	FAC	10.		
3. <i>Ulmus americana</i>	T	FACW	11.		
4. <i>Cycas sp.</i>	H	Assumed	12.		
5. <i>Spartina sp.</i>	H	OBL	13.		
6. <i>Strawberry</i>	H	FACU	14.		
7. <i>Spina o latifolia</i>	H	FAC+	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *86%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NOT OBSERVED</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>no surface water observed May 06</i>	

Date: 7-20-06  
 Community ID:  
 Plot ID:

ARIC 1081-4851

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	2.5 Y 3/1	7.5 YR 2/4	2%	
12-16t	B	2.5 6/2	7.5 YR 3/3	75%	
			10 YR 5/6		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

Pic → w

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-20-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>ACIR 1021-ASS2</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>80</u>	Shrub: <u>20</u>	Herb: <u>20</u>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer idyrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Corylus cornuta</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Corylus cornuta</u>	<u>SH</u>	<u>FAC-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>75%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <span style="margin-left: 20px;"><u>None</u></span> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks:

Date: 7-20-06  
 Community ID:  
 Plot ID:

ARIC

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10 YR 3/5	None	—	Sandy loam
3-10	B	10 YR 4/4	None	—	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - extremely stony @ 10"

**WETLAND DETERMINATION**

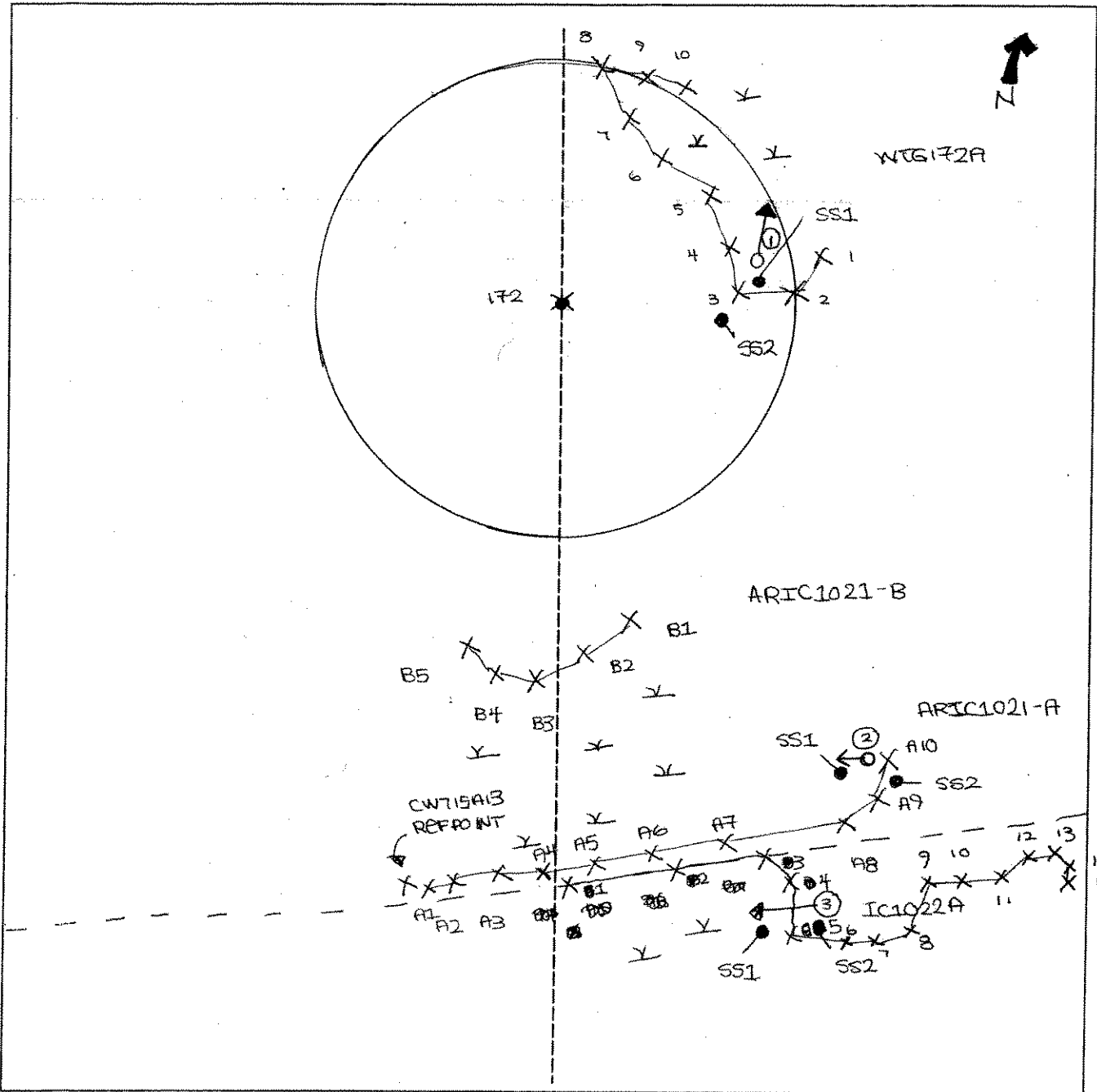
Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

ARIC1022A

SKETCH FORM

Wetland ID/Route #: WGS172A ARIC1021 A/B	Date: 7/20/07	Time:
Intials of Delineators: BG / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 1 → NORTH // PHOTO 2 FACING WEST // PHOTO 3 FACING WEST	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARIE River</u> Applicant/Owner: <u>Huron</u> Investigator: <u>RTJ</u>	Date: <u>5/23/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>ARL1021 A10</u> Plot ID: <u>-555</u>

**VEGETATION** PFO1

Plant Community Classification: Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>60%</u> Herb: <u>75%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>CANE SP</u>	<u>H</u>	
2. <u>GRAY WILLOW</u>	<u>T/S</u>	<u>FAC</u>	10. <u>RED OAK</u>	<u>S</u>	<u>FACW+</u>
3. <u>Aspen Elm</u>	<u>T</u>	<u>FACW-</u>	11.		
4. <u>Meadow Sweet</u>	<u>S</u>	<u>FAC+</u>	12.		
5. <u>Black Willow</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>EQUISETUM</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Unidentified OI</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>10/12 = 83%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2" in places</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/23/07  
 Community ID: WERAD  
 Plot ID:

ARLIE 021 A/B-SS

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1			Silty clay LAM
8-14	B	10YR 5/2	50/50		CLAY
		10YR 4/1			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Very Rocky. * Removal of A layer at 14"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Remarks: Line extends to east					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>HULTON</u> Investigator: <u>EDJ</u>	Date: <u>5/23/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR11C 1021A13</u> <u>556</u>

**VEGETATION** UPLAND DECIDUOUS FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>20%</u> Herb: <u>30%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>QUAKING ASPEN</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>MEADOWSWEET</u>	<u>S</u>	<u>FAC+</u>	11.		
4. <u>STRAWBERRY</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>EQUISETUM</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>R. STEMMED GOLDENROD</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>6/8 = 75%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



Date: 8/23/07  
 Community ID: UPLAND  
 Plot ID:

PRIC 1021 A/B - 556

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	—	—	Heavy silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Refusal of Auger at 8"*  
*Very Rocky*

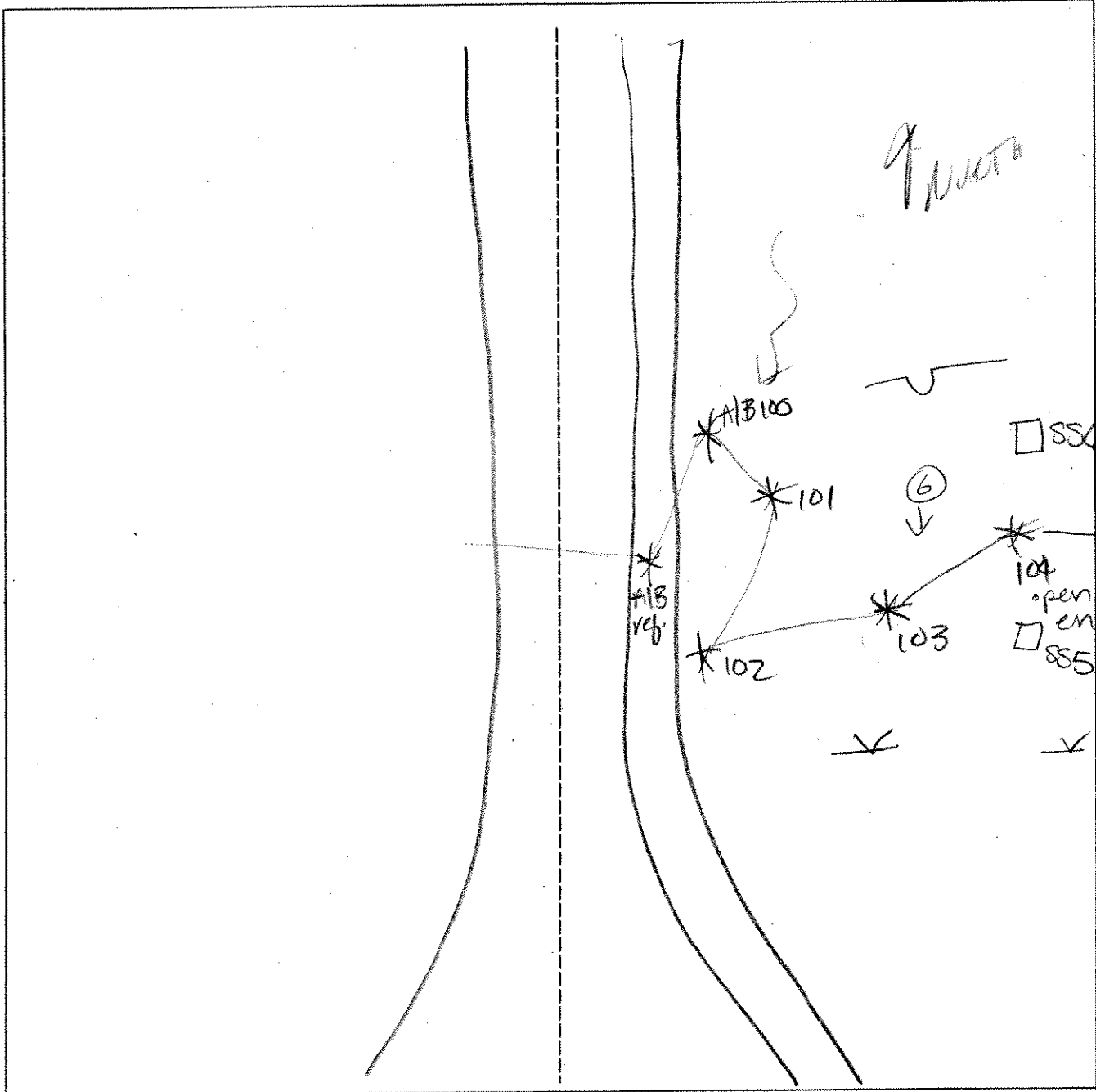
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Isolated? Yes No	<i>N/A</i>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No		

Remarks: *WORMS.*

SKETCH FORM

Wetland ID/Route #: <b>ARIC1021 A/B</b>	Date: <b>5/23/07</b>	Time:
Initials of Delineators: <b>RD AP</b>	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-21-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No <u>logged</u> Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wet</u> Transect ID: Plot ID: <u>AR 1026-1-391</u>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>60</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Viburnum cassinoides</u>	<u>SH</u>	<u>FACW</u>	10.		
3. <u>Alex verticillata</u>	<u>SH</u>	<u>FACW+</u>	11.		
4. <u>Carex intumescens</u>	<u>H</u>	<u>FACW+</u>	12.		
5. <u>Carex eriuca</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Sparganium angustifolium</u>	<u>H</u>	<u>FAC+</u>	14.		
7. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>logged but veg. still clear, not atyp situation</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>2"</u>	
Remarks:	

Date: 7-26-06  
 Community ID: Wetland  
 Plot ID:

AR 10+6 A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O <sub>e</sub>	10YR 7/1	-		Sapric
3-12	A	5Y 3/1	7.5Y 3/3	2%	loamy loam
12-15+	B <sub>w</sub>	5Y 5/2	10YR 5/6	71%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input checked="" type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			
pic → N			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-21-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 1026-A 552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>30</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula papyrifera</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Corylus cornuta</u>	<u>SH</u>	<u>FACW</u>	11.		
4. <u>Black cherry</u>	<u>SH</u>	<u>FACW</u>	12.		
5. <u>Black locust</u>	<u>T</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <u>none</u> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>None observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-21-06  
 Community ID: Upland  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/2	None	—	Sandy loam
6-9	B <sub>w1</sub>	10YR 7/3	None	—	↓
9-15+	B <sub>w2</sub>	10YR 4/4	10YR 4/6	<2%	

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

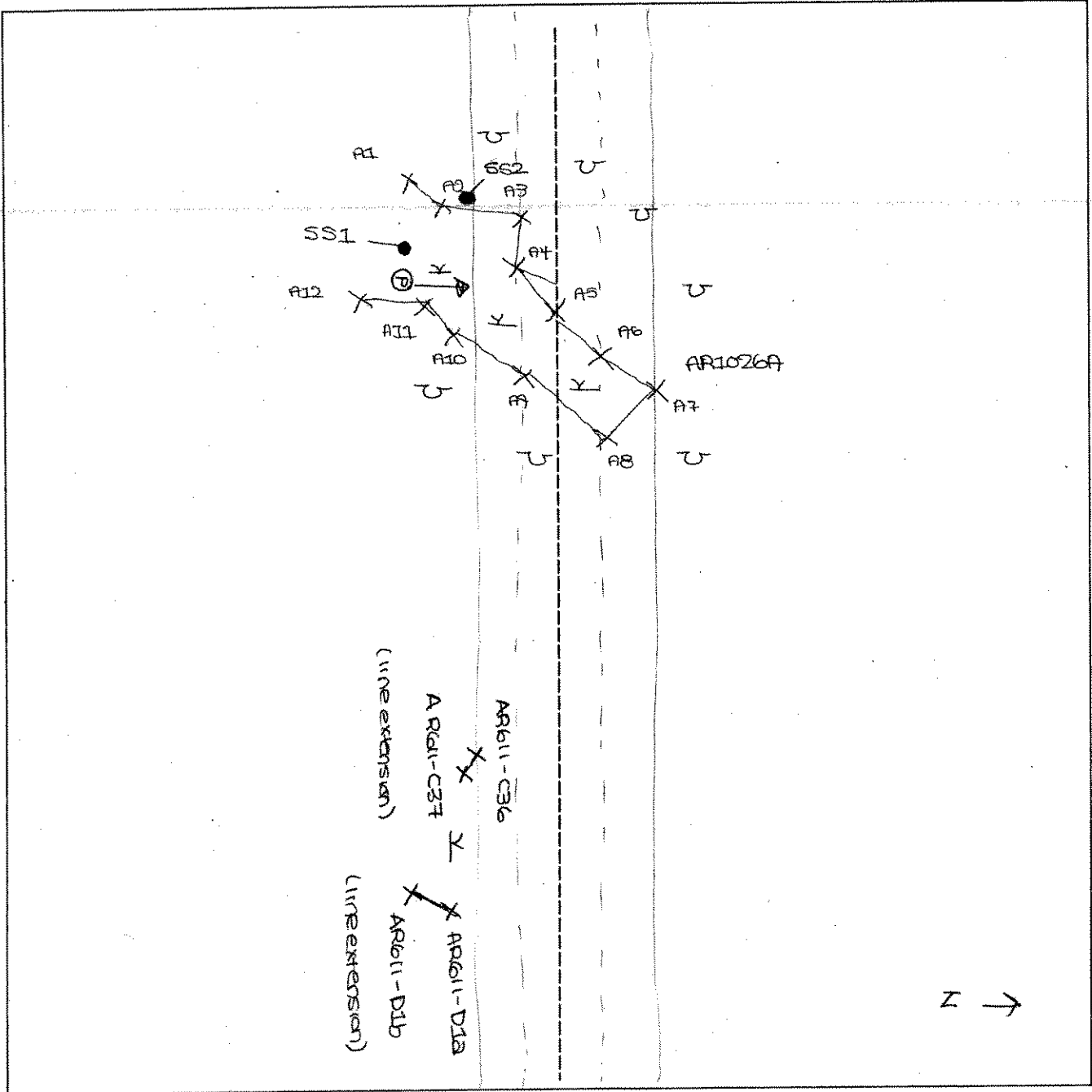
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> NO	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> NO
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> NO	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> NO	

Remarks:

### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1026A	<b>Date:</b> 7/21/06
<b>Intials of Delineators:</b> EQ / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO FACING NORTH	



<u>Legend</u>	
○➔	Photo Location/Direction
□	Sample Station
- - -	Centerline
▽	Flag
X	Wetland
	Upland
—	Stream
- . . -	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-23-</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.) <u>see determination remarks</u>	Community ID: <u>wet</u> Transect ID: Plot ID: <u>AR 1027-A/B-591</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>60</u> Herb: <u>25</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Viburnum cassinoides</u>	<u>SH</u>	<u>FACW</u>	10.		
3. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Carex crinita</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Solidago</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Rough goldenrod</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Wood aster ?</u>	<u>H</u>	<u>?</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>- Veg in adj. undisturbed area @ same topo</u> <u>- Red maple stumps in disturbed areas</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <u>Areas of ponding</u> <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>0"-4"</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks: <u>Hydrology in disturbed areas</u>	



Date: 7-22-06  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	O/A	2.5Y 2.5/1	7.5Y 4/2 3/3	5%	much mineral
8-16	Bg	2.5Y 5/1	2.5Y 6/1 7.5Y R 3/3	75%	Sandy loam

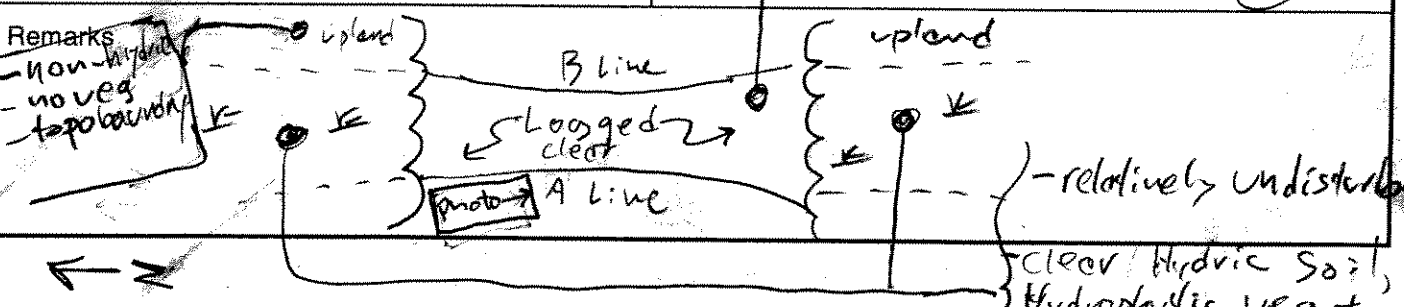
Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - Soil from adj. undisturbed area of same topo

**WETLAND DETERMINATION** Pic → S

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	



- clear hydrology  
 - All veg removed (Red maple stumps)  
 - Soils heavily disturbed  
 - relatively undisturbed  
 - clear hydric soil, hydrophytic veg + hydrology  
 - represents normal circumstances

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BCQ</u>	Date: <u>7-22-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 10+7 A/B-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Populus tremula (stumps)</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Populus tremula</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Black cherry (R. allegheniensis)</u>	<u>SH</u>	<u>FACU</u>	12.		
5. <u>Black cherry</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	14.		
7. <u>Sorbarilla (A. nudicaulis)</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Choke cherry</u>	<u>SH</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks: <u>- vegetation from partially disturbed area</u> <u>- most sp. clearly identifiable</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <span style="float: right;"><u>NOTE</u></span> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>none observed</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <u>- hydrology in heavily disturbed area</u>	

Date: 7-22-06  
 Community ID:  
 Plot ID:

AR 1027-A/B

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O <sub>i</sub>	2.5YR 2.5/2	none	-	
2-5	A	10YR 2/2	none	-	Sandy loam
5-7	B <sub>u1</sub>	10YR 4/4	none	-	↓
7-15 <sup>+</sup>	B <sub>u2</sub>	10YR 8/6	none	-	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - soil is from relatively undisturbed location at same topo

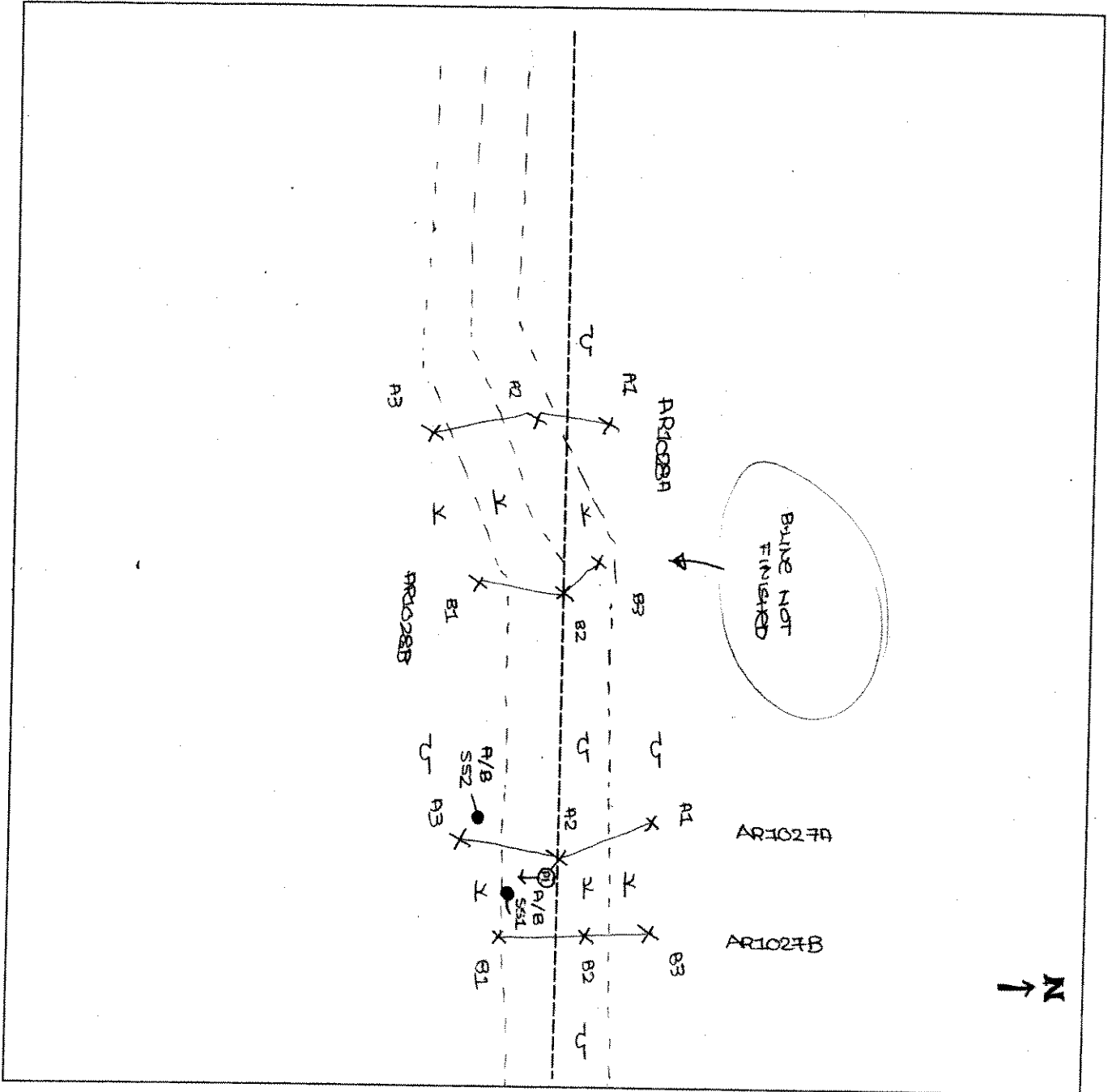
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks:  
 see remarks of AR 1027-A/B-SS1

### SKETCH FORM

Wetland ID/Route #: AR1027A	Date: 7/22/06	Time:
Initials of Delineators: ESQ / SC	Location: MARBLE RIVER	
Roll #: Frames: PHOTO FACING SOUTH (AR1027A/B)		



<u>Legend</u>	
Photo Location/Direction Sample Station (●) Centerline Flag	Wetland Upland Stream Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SP</u>	Date: <u>8/16/06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>wetland</u> Transect ID: <u>A21028 A/B</u> Plot ID: <u>SS1</u>							

**VEGETATION**

PFD - Logged & Disturbed

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>30%</u> Shrub: <u>65%</u> Herb: <u>45%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>		9.		
2. <u>Red maple</u>	<u>S</u>		10.		
3. <u>Aster sp</u>	<u>H</u>		11.		
4. <u>Spiral maple</u>	<u>H</u>		12.		
5. <u>Clay</u>	<u>H</u>		13.		
6. <u>Quercus sp</u>	<u>H</u>		14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Site was not disturbed - in high salt area</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>4"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 8/16/06  
 Community ID: wetland  
 Plot ID: AL1028A13

02956  
**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-6	A	10YR 2/1	-	-	Silt/mud/clay/sand
6-12	B	10YR 4/2-5/2	10YR 3/6	many / coarse / dist	clay / sandy

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Record of Hydr at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: <i>8/16/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>AR1028A13</i> Transect ID: Plot ID: <i>upland</i> <i>552</i>

**VEGETATION** *upland* *acid trees*

Plant Community Classification:  
 Percent Canopy Cover: Tree: *40%* Shrub: *30%* Herb: *50%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>T/S</i>		9. <i>Red Blackberry</i>	<i>S</i>	
2. <i>Silkcherry</i>	<i>T</i>		10. <i>Maple</i>	<i>H</i>	
3. <i>Town Sycamore</i>	<i>S</i>		11.		
4. <i>Basswood</i>	<i>H</i>		12.		
5. <i>White Birch</i>	<i>H</i>		13.		
6. <i>Amur Ruscus</i>	<i>H</i>		14.		
7. <i>Amur Mandarin</i>	<i>H</i>		15.		
8. <i>Wild Smokey</i>	<i>H</i>		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
 Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>8"</i>	
Remarks:	

Date: 8/16/06  
 Community ID: UPLAND  
 Plot ID:

AR 1028 MB SSL

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	Silt loam w/ clay in
6-12	B	10YR 4/2	—	—	Sandy silt

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 0-2" leaf litter & organic  
 Rooting zone at 12" (Rooting)

**WETLAND DETERMINATION**

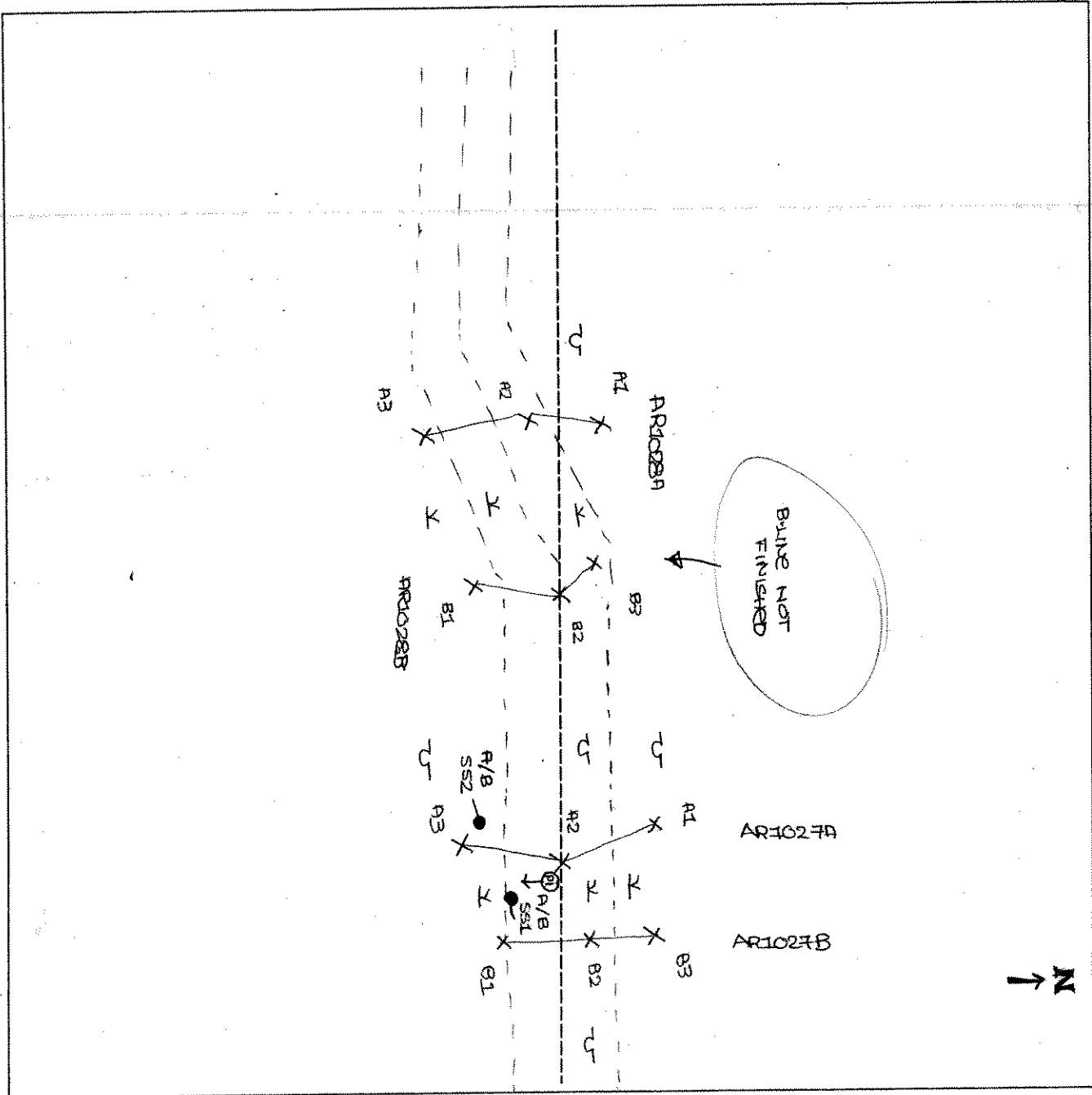
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1027A + <u>AR1028AB</u>	<b>Date:</b> 7/22/06 <b>Time:</b>
<b>Initials of Delineators:</b> EQ / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO FACING SOUTH (AR1027A/B)	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station (●)	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

AR986 A/B

Wetland ID/Route #: AR1028 A/B (COMPLETION OF)  
\* SEE 7122106

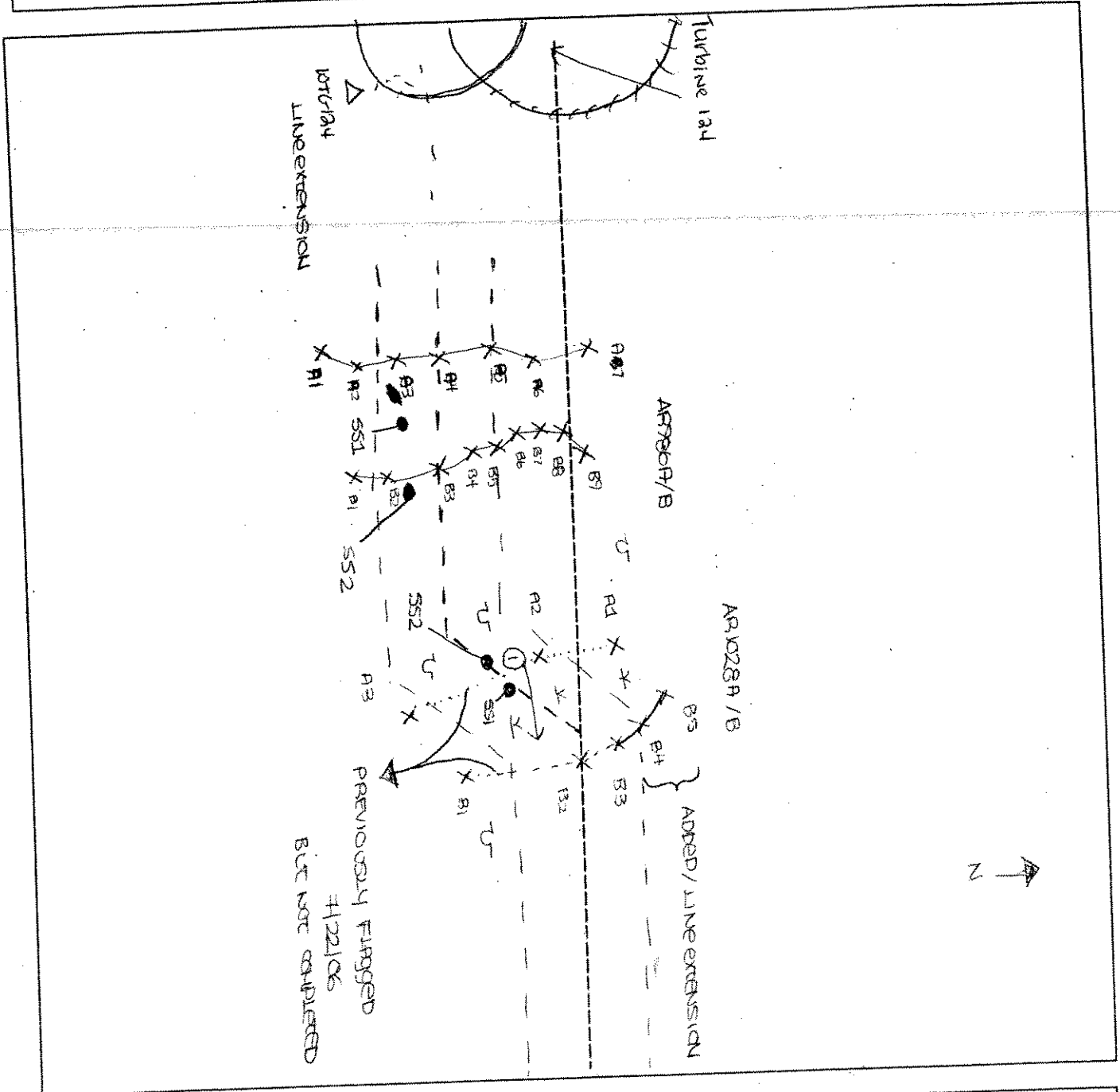
Date: 8/16/06  
~~05~~

Time: PM

Initials of Delineators: RD I SC

Location: MARBLE RIVER

Roll #: Frames: PHOTO ① FACING EAST



Legend

- Photo Location/Direction
- Sample Station
- Centerline
- Flag

- Wetland
- Upland
- Stream
- Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

AR1028AB EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: AR1028 AB SSI

AR6UABCO

**VEGETATION**

Plant Community Classification: <i>Red maple mesic</i>					
Percent Canopy Cover: Tree: <i>40</i> Shrub: <i>100</i> Herb: <i>75</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>A. rubrum</i>	S	FAC	11.		
4. <i>B. populifolia</i>	S	FAC	12.		
5. <i>Carex sp</i>	H	—	13.		
6. <i>Sphagnum moss &gt;50%</i>	M	M	14.		
7. <i>in split</i>			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>&gt;50%</i> .					
Remarks: <i>Can not id due to season</i>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>NA</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>NA</i></p> <p>Depth to Saturated Soil (in.): <i>0"</i></p>	
<p>Remarks:</p>	

Date: 5/9/07  
 Community ID: PFO1  
 Plot ID:

AR1028 AB SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations: \_\_\_\_\_  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			cliff face
4-12	B	2.5Y 4/2	2.5Y 5/6	prom. few, fine	clay face

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: saturated at 0", organic streaking in B

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks Photo 10 = N DECW  
 Area has recently been logged. Soils have been disturbed, hydrology altered due to cuts and compaction. Mature trees have been harvested.

Area is significantly populated by wildlife. Several Bird species observed nesting and foraging.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/9/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR1020 AB 882</u> <span style="float: right;"><u>AR1011 ABCD EXT</u></span>

**VEGETATION**

Plant Community Classification: <u>PPD1</u>					
Percent Canopy Cover: Tree: <u>30</u> Shrub: <u>40</u> Herb: <u>60</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Goldthread</u>	<u>H</u>	<u>FAC</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: URL  
 Plot ID: AR1028 AB 550

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	2.5YR 2.5/3			
1-3	O	10YR 2/1			silt
3-12	A	5Y 5/2	10YR 7/6	prom., few, fine	clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

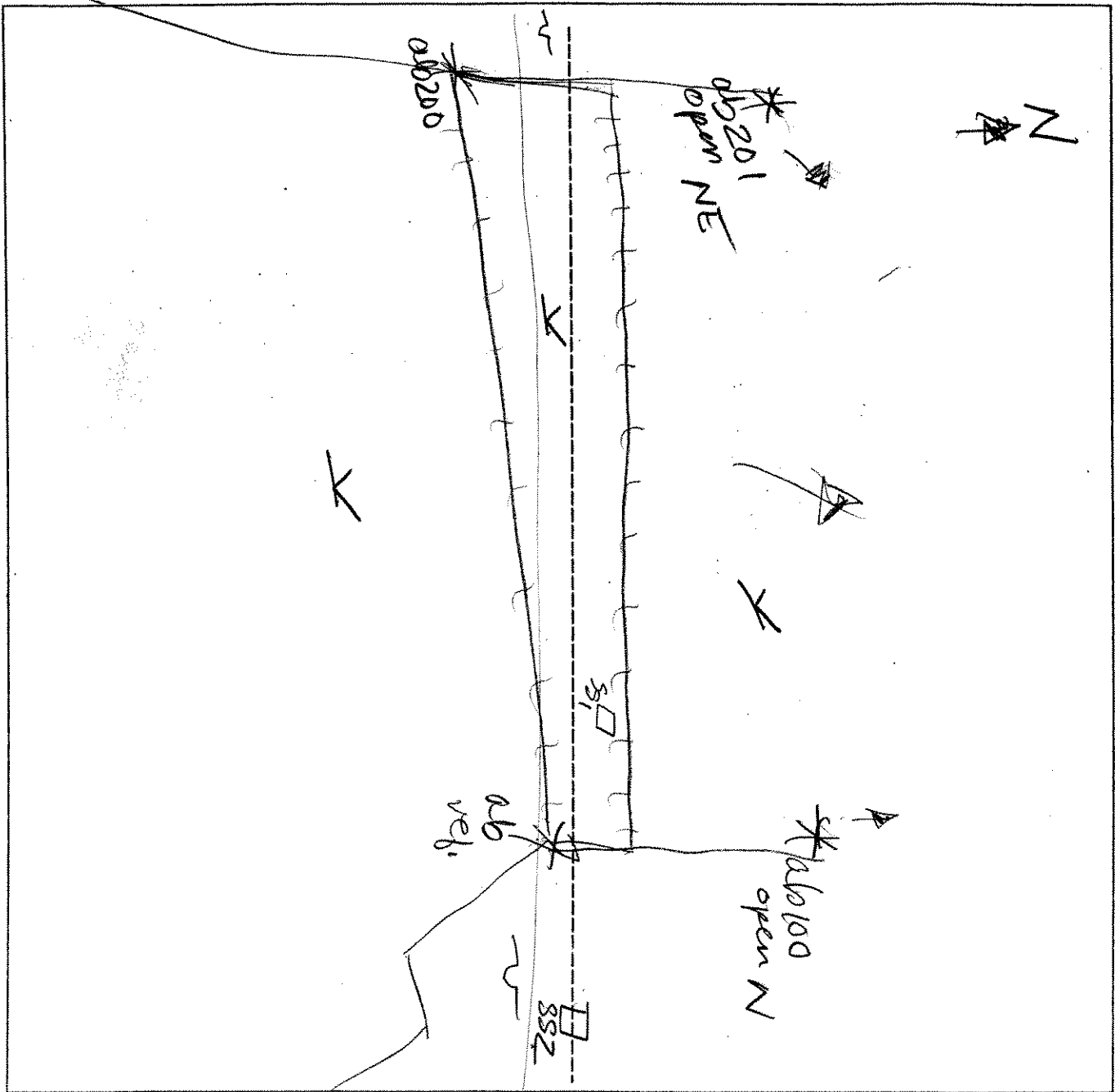
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	

Remarks: Area has been logged. Refer to AR1028 AB 551

SKETCH FORM

Wetland ID/Route #: <b>AR1028-ab EXT</b>	Date: <b>9 May 07</b>	Time:
Initials of Delineators: <b>JV, AP</b>	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BR</u>	Date: <u>7-25-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<div style="text-align: center;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </div> <div style="text-align: center;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </div> <div style="text-align: center;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </div>
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR1029-A/B-551</u>	

**VEGETATION**

Plant Community Classification: Percent Canopy Cover:      Tree: <u>60</u> Shrub: <u>25</u> Herb: <u>70</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer idarnum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer idarnum</u>	<u>SH</u>	<u>FAC</u>	10.		
3. <u>Yellow Birch</u>	<u>T</u>	<u>FAC</u>	11.		
→ 4. <u>Moss. Fern (T. simulata)</u>	<u>H</u>	<u>FACW</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>6"</u>	
Remarks:	



Date: 7-25-06  
 Community ID: Wetland  
 Plot ID:

ATZ 1029 A/B - SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	2.5Y 2.5/1	7.5YR 3/2	2%	SANDY LOAM
4-13+	B <sub>mn</sub>	2.5Y 6/1	10YR 5/6	>10%	SANDY LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - extremely stony  
 - could not get below 13"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Wetland crosses logging trail, fill evident in trail profile, clear hydrology, veg (Sphagnum) on either side of road. Hydrology in road as well

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-25-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td><u>No</u></td> </tr> <tr> <td>Yes</td> <td><u>No</u></td> </tr> </table>	Yes	No	Yes	<u>No</u>	Yes	<u>No</u>
Yes	No						
Yes	<u>No</u>						
Yes	<u>No</u>						
Community ID: <u>VPlend</u> Transect ID: Plot ID: <u>AR 1079-113-SS</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>25</u> Herb: <u>15</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Populus grandidentata</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>Fraxinus americana</u>	<u>SH</u>	<u>FACU</u>	12.		
5. <u>Lycopodium obscurum</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Podocarpus</u>	<u>H</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>None observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-25-06  
 Community ID:  
 Plot ID:

AR 1029 A/B-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 7/1	—	none	Sandy loam
4-7	B <sub>ms</sub>	7.5YR 7/6	—	none	↓
7-15	B <sub>us</sub>	10YR 5/6	—	none	

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

none

Remarks:

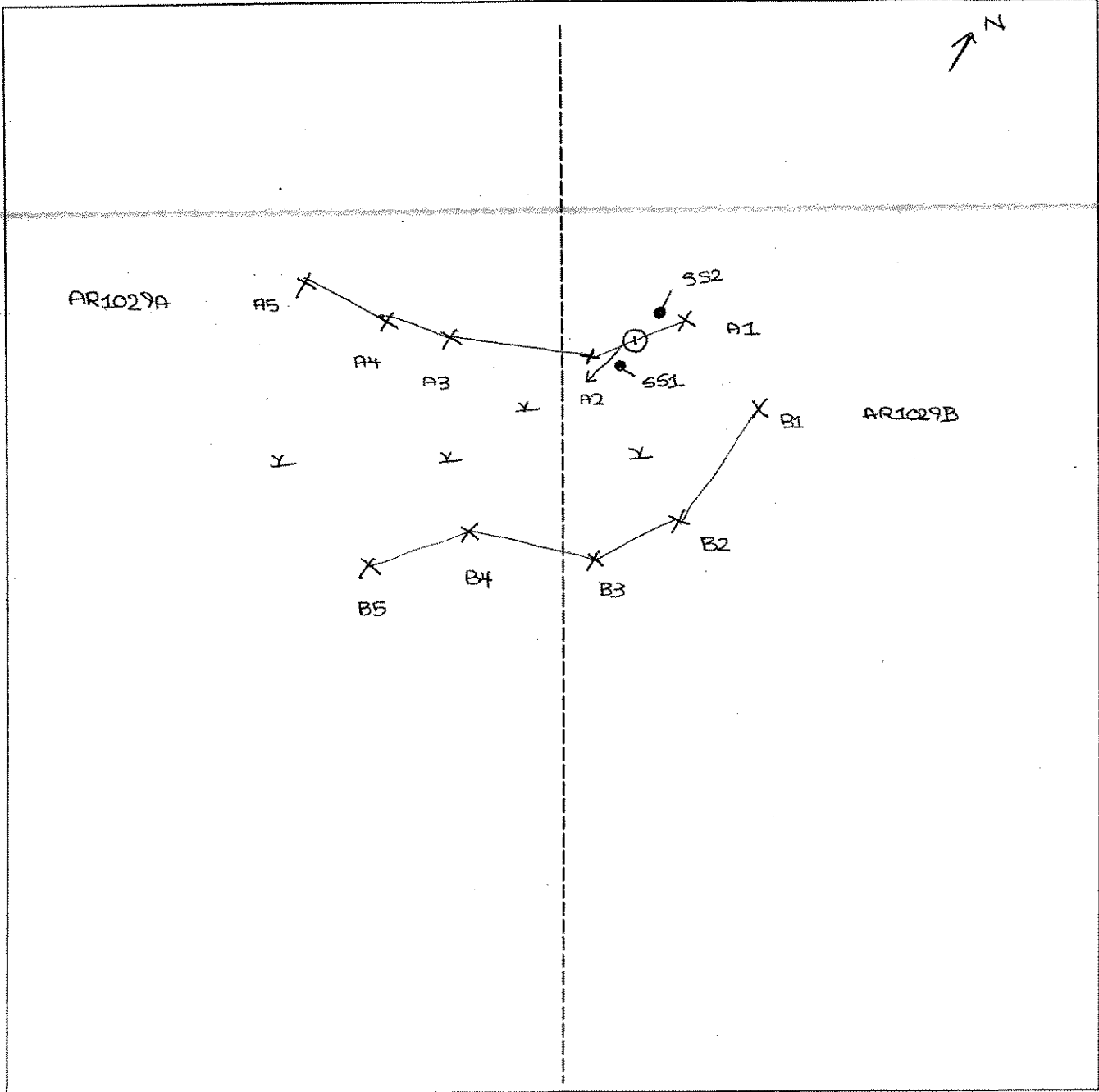
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**SKETCH FORM**

Wetland ID/Route #: AR1029 A / B	Date: 7/25/06	Time:
Initials of Delineators: BO	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 1 FACING SOUTH	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RL</i>	Date: <i>7/25/06</i> County: Clinton State: NY							
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> <td rowspan="3" style="vertical-align: middle; padding-left: 20px;"><i>see Remarks</i></td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<i>see Remarks</i>	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No	<i>see Remarks</i>						
<input type="radio"/> Yes	<input checked="" type="radio"/> No							
<input type="radio"/> Yes	<input type="radio"/> No							
Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>ATR 1030 A/B-SS1</i>								

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>65</i> Herb: <i>35</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acet. rubrum</i>	T	FAC	9.		
2. <i>Viburnum cassinoides</i>	SH	FACW	10.		
3. <i>Populus grandidentata</i>	SH	FACW	11.		
4. <i>Coryx intumescens</i>	T	FACW	12.		
5. <i>Sphagnum</i>	H	OBL	13.		
6. <i>Aster sp.</i>	H		14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 7-25-06  
 Community ID: wetland  
 Plot ID: AR 1030 A/B-557

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	2.5YR 3/1	10YR 3/4 } 2.5YR 5/1 }	75%	Sandy loam
8-16	BW	2.5YR 5/2	10YR 5/6	75%	↓

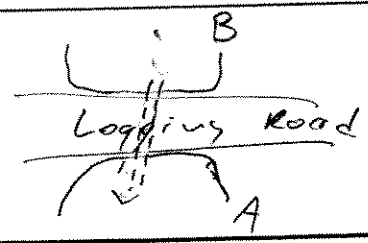
- Hydro Soil Indicators
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: EXTREMELY STONY

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks  
 - Logging road built through wetland, culvert installed  
 - Pic → east



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>5/25/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; width: 50%;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table> <i>see records</i>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1030-13-552</i>							

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Acid sparrow</i>	T	FAC	9.			
2. <i>Lowbush Blueberry</i>	H	FACW	10.			
3. <i>Blackberry</i>	H	FACU	11.			
4. <i>Sparrow</i>	H	FACU	12.			
5. <i>Canada wildflower</i>	H	FAC-	13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>20%</i>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-25-06  
 Community ID:  
 Plot ID:  
 AR 1030 / B-SS7

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1	—	None	Sandy / clay
4-6	E	10YR 6/2	—		
6-7	BHS	7.5YR 2.5/3	—		
7-13	BS	7.5YR 4/6	—		

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

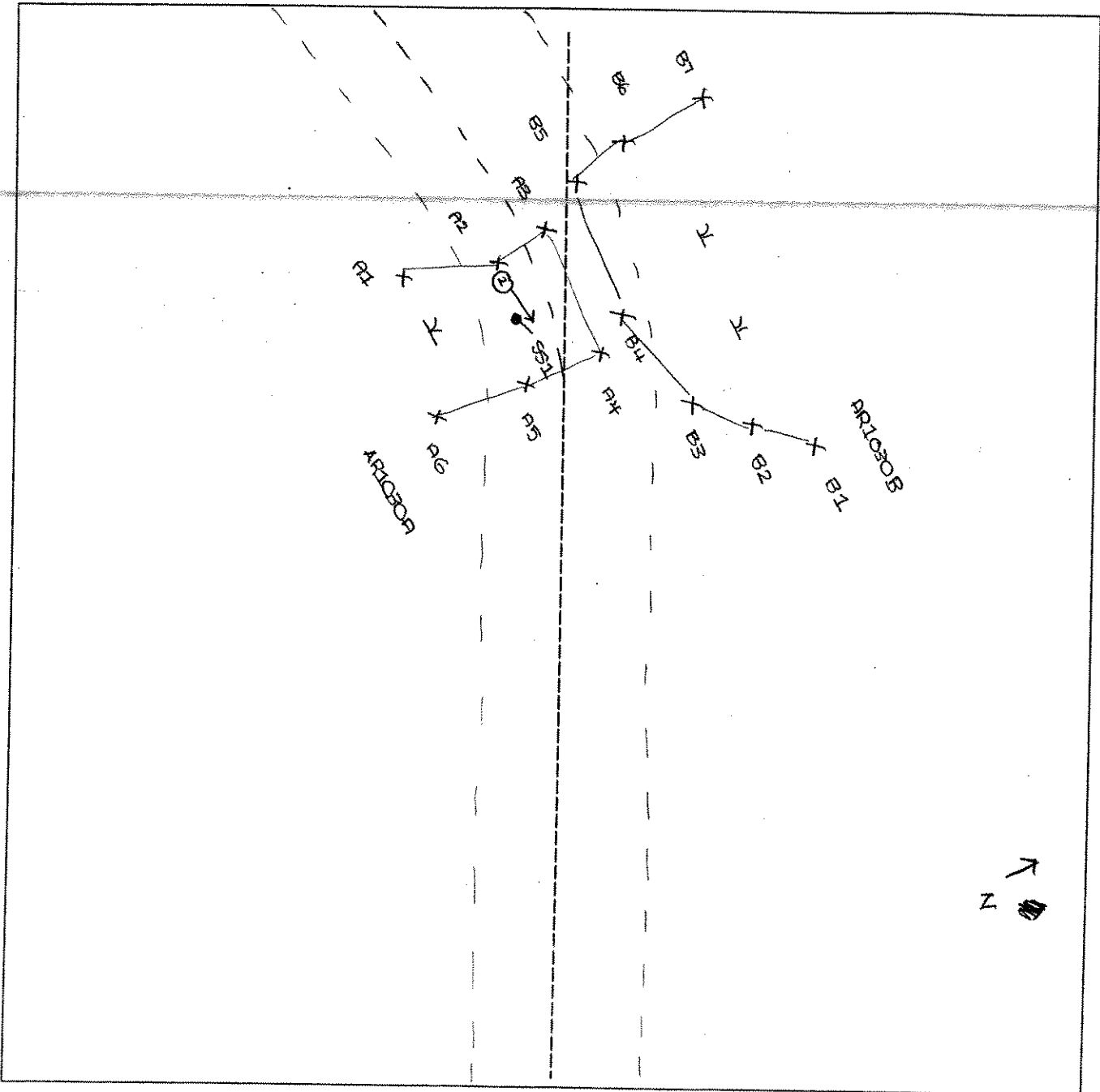
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		



### SKETCH FORM

<b>Wetland ID/Route #:</b> AR1030 A/B	<b>Date:</b> 7/25/06 <b>Time:</b>
<b>Intials of Delineators:</b> BQ	<b>Location:</b> HARBIE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO2 FACING EAST	



<u>Legend</u>	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▽	Flag
X	Wetland
K	Upland
—	Stream
- . . -	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BC</u>	Date: <u>7-25-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 1031-A-551</u>	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 75 Shrub: 65 Herb: 40 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	T	FAC	9.		
2. <u>Betula papyrifera</u>	T	FAC	10.		
3. <u>Viburnum cassinoides</u>	SH	FACW	11.		
4. <u>Hamamelis virginiana</u>	SH	FAC	12.		
5. <u>Cinnamomum</u>	H	FACW	13.		
6. <u>Sphagnum</u>	H	OBL	14.		
7. <u>Shimmy</u>	H	FACW	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 86%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>2"</u>	Remarks:

Date: 7-25-00  
 Community ID: Wetland  
 Plot ID: 4R1031-A-551

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	Oe	7.5 YR 3/3	—	—	peat
5-10	Oa	10 YR 2/1	—	—	sapric

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Peat + organic over rock

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RCL</i>	Date: <i>7-25-06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
Yes	No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1031-A-952</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>75</i>	Shrub: <i>60</i>	Herb: <i>20</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>wood</i>		
2. <i>Rhus glabra</i>	T	FAC-	10.		
3. <i>betula populifolia</i>	T	FAC	11.		
4. <i>Acer pensylvanicum</i>	SH	FAC	12.		
5. <i>Hamamelis virginiana</i>	SH	FAC-	13.		
6. <i>Viburnum cassinoides</i>	SH	FACW	14.		
7. <i>Cornus canadensis</i>	H	FAC-	15.		
8. <i>Canada mayflower</i>	H	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>38%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <i>None</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks:

Date: 7-25-06  
 Community ID: Upland  
 Plot ID: AR 1031-A-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10 YR 2/1	NONE		SANDY LOAM
4-5	E	10 YR 6/2	NONE		SANDY LOAM
5-12	BS	10 YR 4/4	NONE		SANDY LOAM

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: EXTREMELY STONY cant get soil below 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**SKETCH FORM**

Wetland ID/Route #: AR1031-A		Date: 7/25/06	Time:
Initials of Delineators: EG / SC		Location: MARBLE RIVER	
Roll #:	Frames:	PHOTO FACING SOUTH	

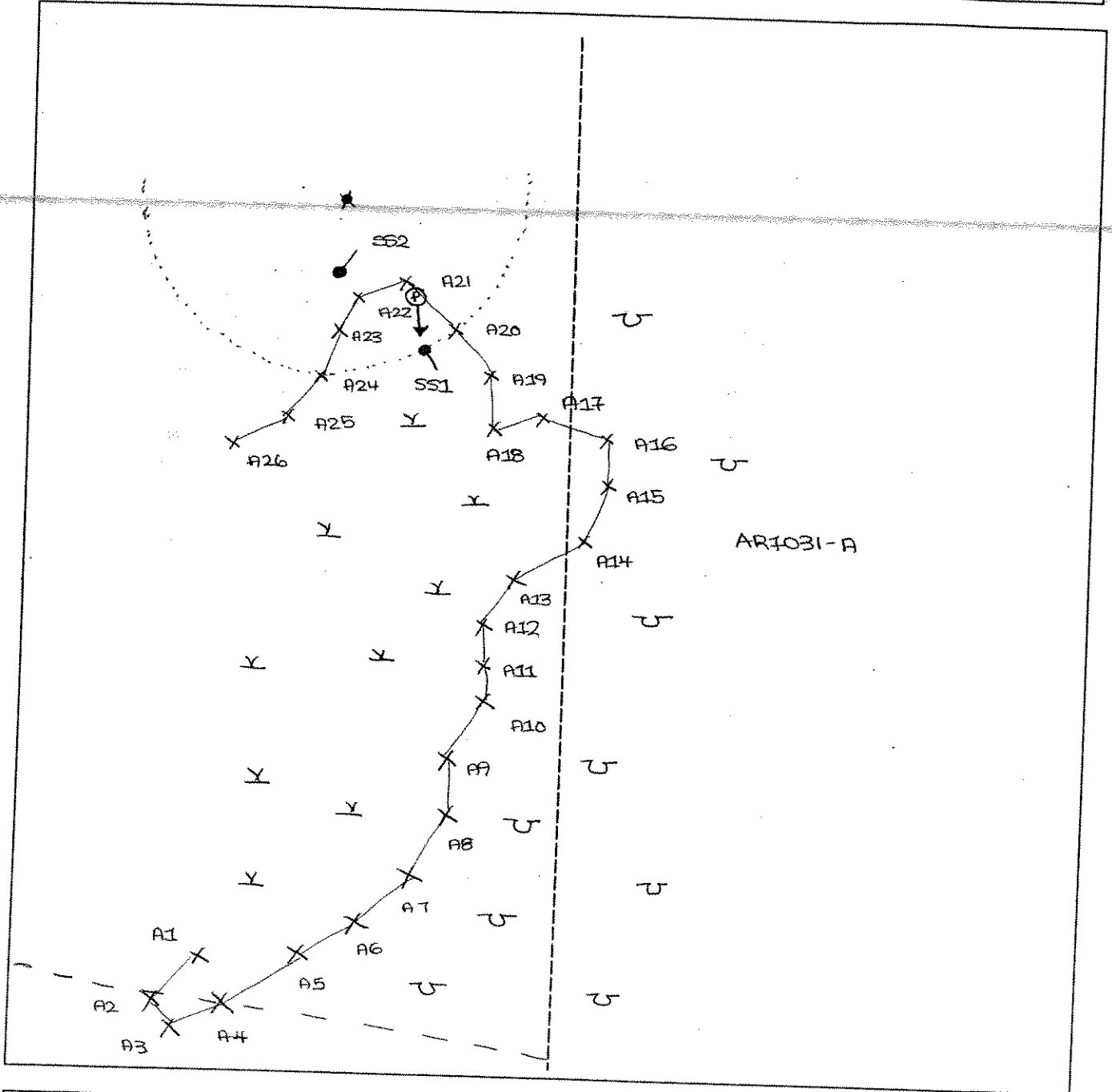
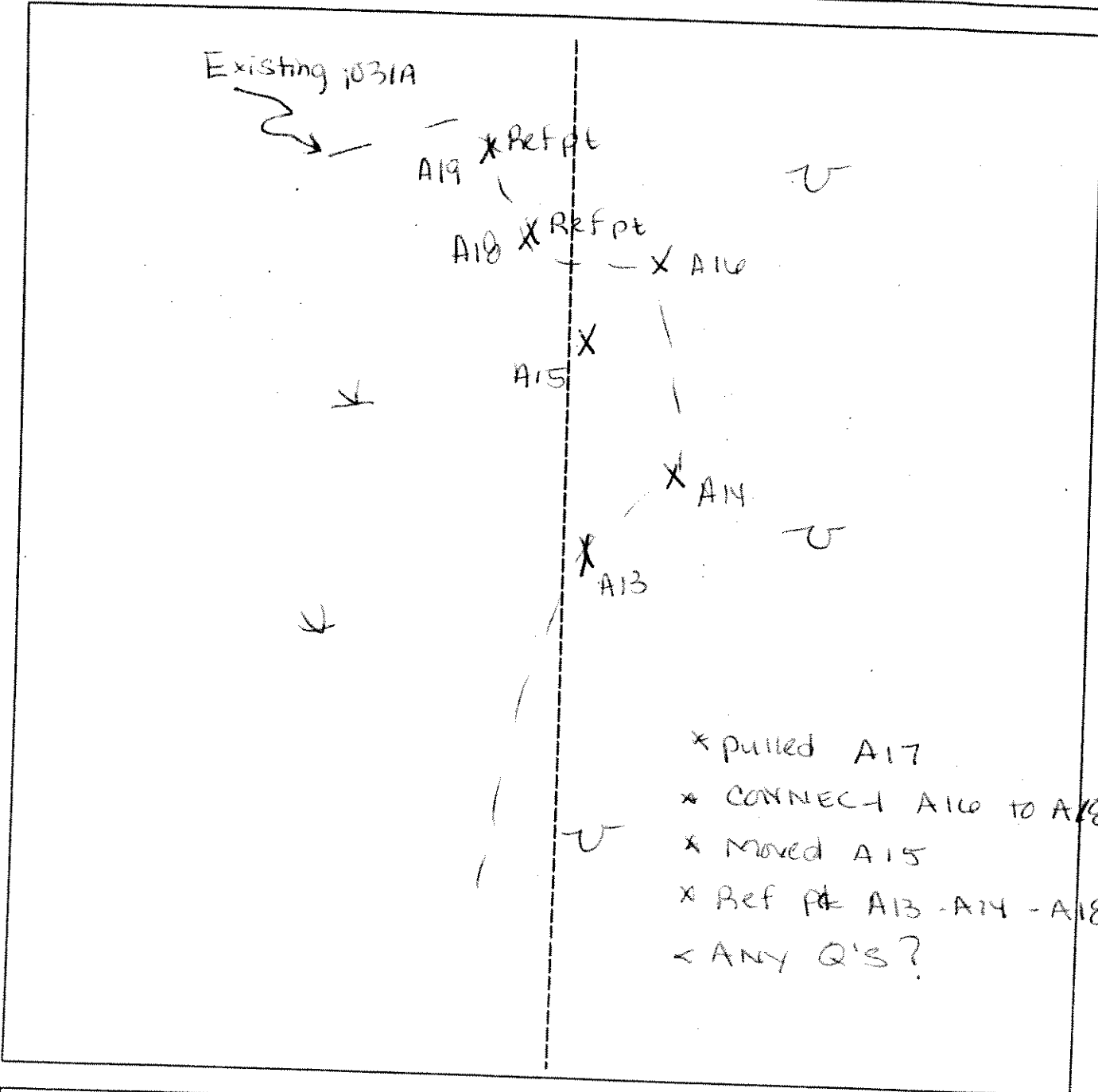


	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

SKETCH FORM

Wetland ID/Route #: AR1031A		Date: 10/11/06	Time:
Initials of Delinators: IB JV		Location: AR bit T-38 +139	
Roll #:	Frames:		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA SC</i>	Date: <i>8/3/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
	Community ID: <i>WERAND</i> Transect ID: <i>IC1049A-</i> Plot ID: <i>SSI</i>

**VEGETATION** *WERAND PSS*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>70%</i> Shrub:    Herb:    Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Interrupted Fern</i>	<i>H</i>		9. <i>Spice berry</i>	<i>b</i>	
2. <i>Sensitive Fern</i>	<i>H</i>		10. <i>meadow Sweet</i>	<i>S</i>	
3. <i>FIBR NODD Aster</i>	<i>H</i>		11. <i>Rubus sp</i>	<i>S</i>	
4. <i>Lady Fern</i>	<i>H</i>		12. <i>Red maple</i>	<i>T/S</i>	
5. <i>Gray bird</i>	<i>T/S</i>		13. <i>BATYLLIN AK</i>	<i>S</i>	
6. <i>Equisetum</i>	<i>H</i>		14.		
7. <i>Beak willow</i>	<i>S</i>		15.		
8. <i>Speckled Aster</i>	<i>S</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>16 1/2</i> Depth to Saturated Soil (in.): <i>8'</i>	
Remarks:	



Date: 8/3/06  
 Community ID: WETLAND  
 Plot ID:  
 FC 1049A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-8	A	10YR 4/2			Silty CLAY
8-18	B	10YR 5/1/5/2	10YR 4/6	Com/med 1/5/1	CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No			

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BAJ, SC</i>	Date: <i>8/3/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
	Community ID: <i>uplands</i> Transect ID: <i>IC1049A</i> Plot ID: <i>SS2</i>						

**VEGETATION** *Decid upland Forest w/ scattered B.Fic.*

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>mta hilly</i>	<i>S</i>		9. <i>Gray h. fl</i>	<i>S</i>	
2. <i>Balsamorhiza</i>	<i>T/S</i>		10. <i>D. Asplen</i>	<i>T/S</i>	
3. <i>Red maple</i>	<i>T/S/H</i>		11.		
4. <i>L.B. Blueberry</i>	<i>S</i>		12.		
5. <i>Blackberry</i>	<i>S</i>		13.		
6. <i>Rubus</i>	<i>H</i>		14.		
7. <i>Clay moss</i>	<i>H</i>		15.		
8. <i>BEAK WATERLUT</i>	<i>S</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 8/3/06  
 Community ID: upland  
 Plot ID: 2049A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 3/2	—	—	SILT LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

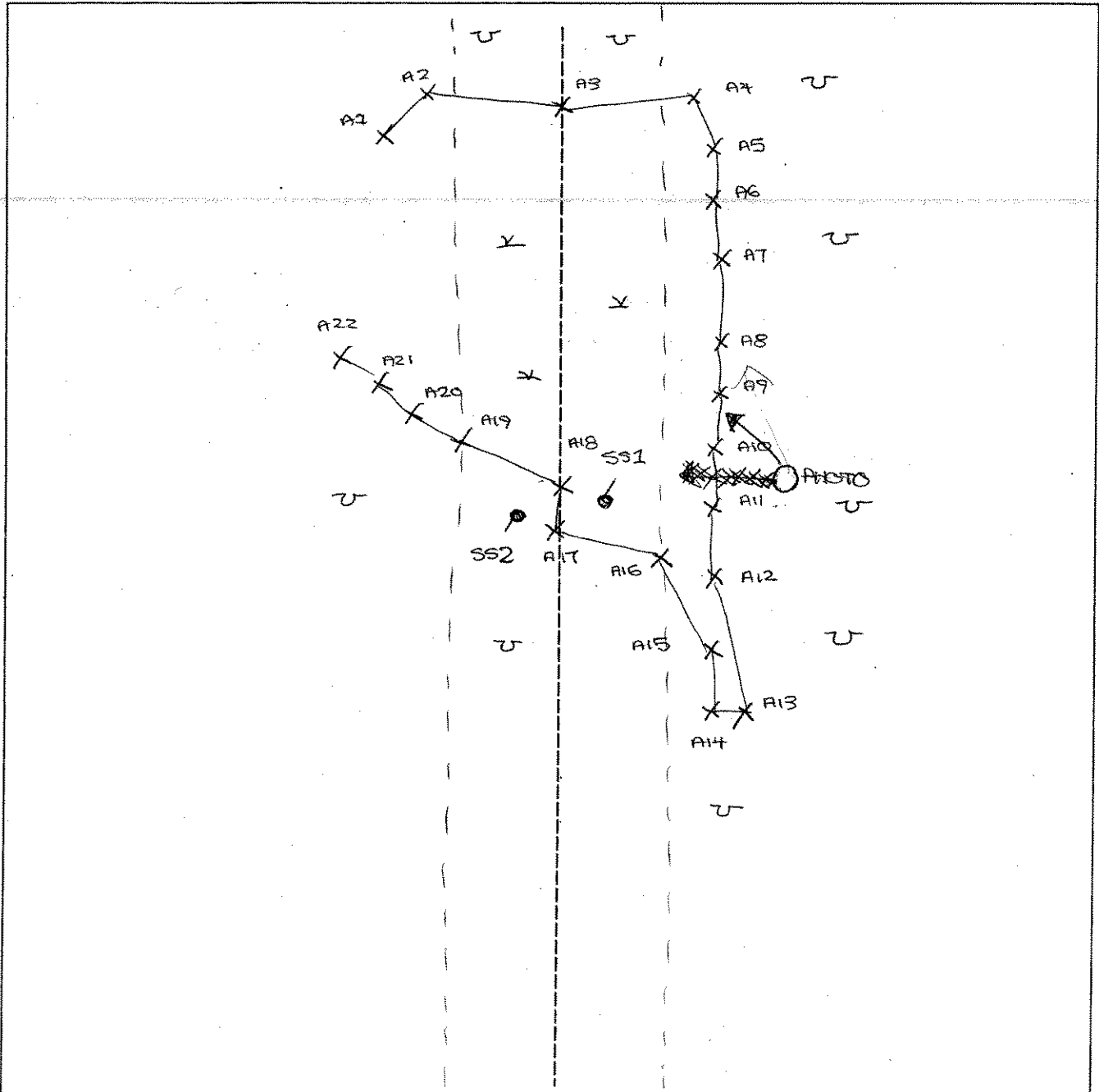
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1049 A	<b>Date:</b> 8/13/06	<b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> HARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO ② (TAKEN ON 8/14/06) FACING NW		



<u>Legend</u>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>○ ↗ Photo Location/Direction</p> <p>□ Sample Station</p> <p>--- Centerline</p> <p>▷ Flag</p> </div> <div style="width: 45%;"> <p>∨ Wetland</p> <p>U Upland</p> <p>— Stream</p> <p>- . - Intermittent Stream</p> </div> </div>	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJD SC</i>	Date: <i>8/4/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>WETLANDS</i> Transect ID: <i>IC1050A</i> Plot ID: <i>SSI</i>

**VEGETATION** *PFO*

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: *80%* Shrub: *35%* Herb: *40%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED MAPLE</i>	<i>T</i>	<i>S</i>	9.		
2. <i>AMERICAN ELM</i>	<i>T</i>		10.		
3. <i>BAY BIRCH</i>	<i>T</i>		11.		
4. <i>JEWEL WEED</i>	<i>H</i>		12.		
5. <i>Sensitive fern</i>	<i>H</i>		13.		
6. <i>SPRING BERRY</i>	<i>S</i>		14.		
7. <i>DOGWOOD SP.</i>	<i>H</i>		15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_  
Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks: <i>DEC maple used.</i> <i>gradual transition</i> <i>B. Messing</i>	

Date: 8/4/06  
 Community ID: WETLAND  
 Plot ID:

IC1050A

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR3/2	-	-	Silt, clay loam
8-18	B	10YR5/1-5/2	10YR5/6	many jarose/mist	clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>AS, SC</i>	Date: <i>8/4/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC1050A-SS2</i>

**VEGETATION** *Upland Dec. Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85%</i> Shrub: <i>40%</i> Herb: <i>50%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED maple</i>	<i>T</i>		9.		
2. <i>BILCHERRY</i>	<i>T</i>		10.		
3. <i>SERVICE BERRY</i>	<i>S</i>		11.		
4. <i>BEAK HAZEL</i>	<i>H</i>		12.		
5. <i>WOODS BERRY</i>	<i>H</i>		13.		
6. <i>CLUB MUSH</i>	<i>H</i>		14.		
7. <i>CRANBERRY</i>	<i>H</i>		15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 8/4/06  
 Community ID: upland  
 Plot ID: IC1050A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-6	A	10YR 3/2	—	—	Silt loam w/ clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

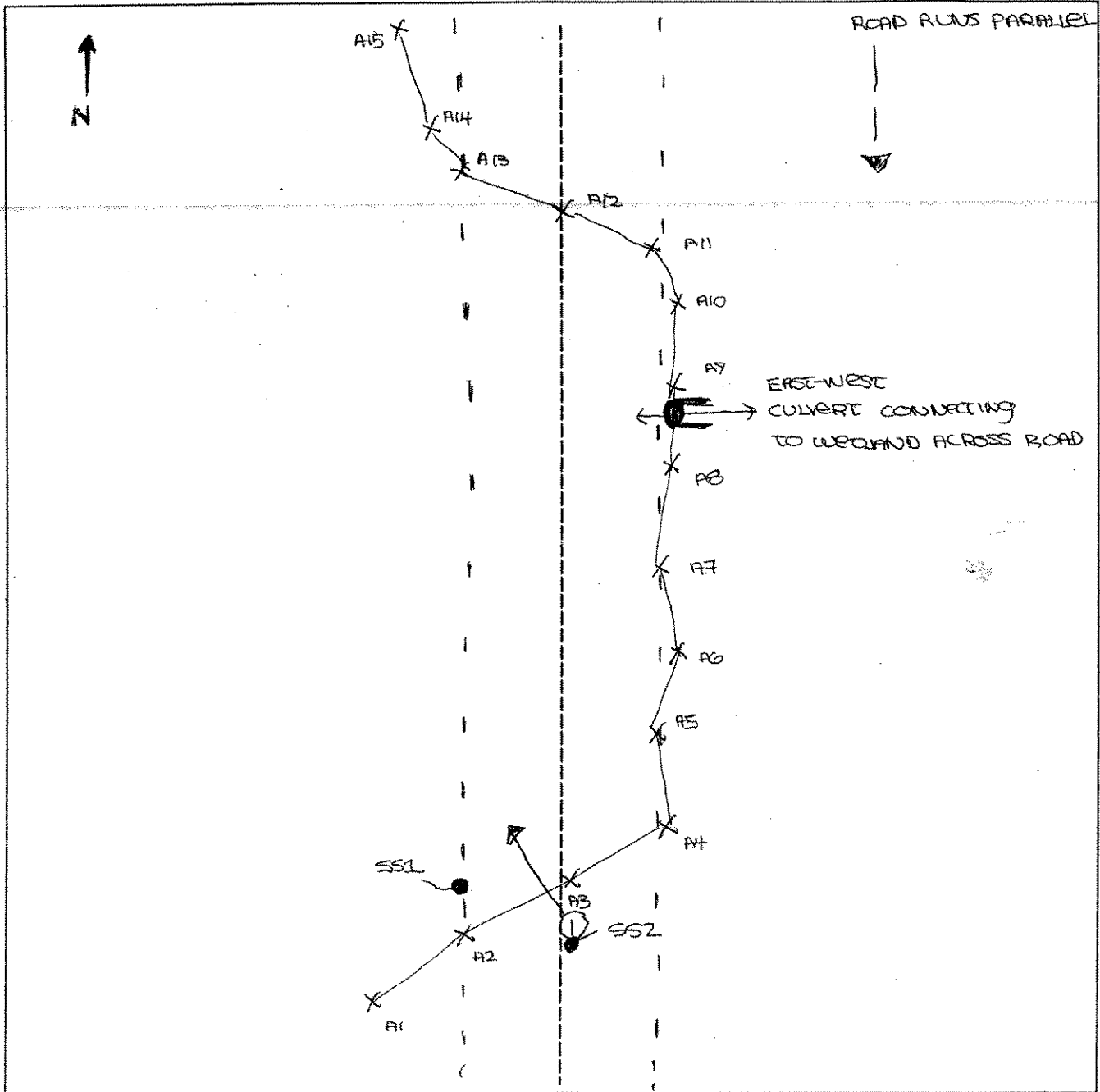
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1050A	<b>Date:</b> 8/4/06	<b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO ① FACING NORTH		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD M C SM</u>	Date: <u>8-16-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>PF01/PSS</u> Transect ID: Plot ID: <u>IC1052A-SS1</u>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: 50 Shrub: 75 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer Rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>B. populus</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Vaccinium corymbosum</u>	<u>H</u>		13.		
6. <u>Aster sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>Sphagnum sp.</u>	<u>H</u>	<u>OBL*</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: Typha latifolia observed in PSS at abundance of hairgrass in this sample station.

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input checked="" type="checkbox"/> Other <u>TOPS/DEC</u></p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>1"</u></p> <p>Depth to Saturated Soil (in.): <u>Ø</u></p>	<p>Remarks:</p>

Date: 8-16-06  
 Community ID: PFD1  
 Plot ID: IC1052A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O				organics w/ peat
3-6	A	10YR 2/1			fine sandy silt loam
6-9	B	2.5Y 5/2			fine sandy silt loam
9-12	B	2.5Y 5/2	2.5Y 5/3	common/med distinct	fine sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks: photo P08160010 + 0011  
 (E) (E)  
 DEC wetland w/ periods of standing water in PSS area.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RAJ SC</i>	Date: <i>8/16/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLM15</i> Transect ID: <i>IC1052A</i> Plot ID: <i>552</i>							

**VEGETATION** *(UPLAND DECIDUOUS FOREST)*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>60%</i>	Shrub: <i>20%</i>	Herb: <i>20%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T/S</i>		9. <i>Kuning Pine</i>	<i>H</i>	
2. <i>Gray Birch</i>	<i>T/S</i>		10.		
3. <i>Sweet berry</i>	<i>S</i>		11.		
4. <i>Whorled Wood Aster</i>	<i>H</i>		12.		
5. <i>Trailing Fern</i>	<i>H</i>		13.		
6. <i>L.B. Blueberry</i>	<i>S</i>		14.		
7. <i>Common Daylily</i>	<i>H</i>		15.		
8. <i>Clubmoss</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 2/16/06  
 Community ID: UPLANDS  
 Plot ID: IC1052A-SS2

**SOILS**

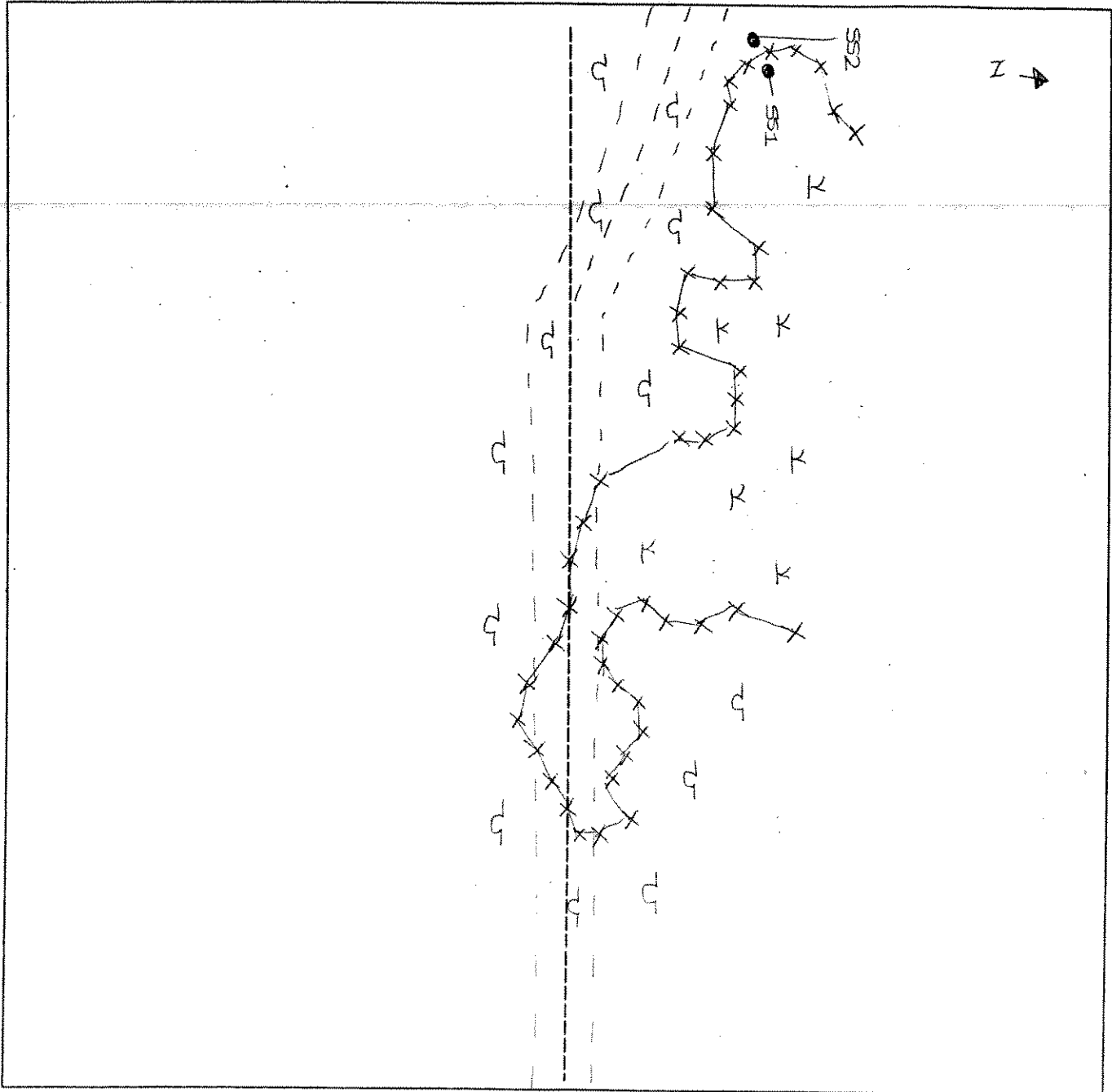
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2	—	—	loose litter
2-5	E	10YR 5/2	—	—	sandy loam
5-8	A	5YR 4/4	—	—	silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks photo: P08160012 (W)			

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1052-A	<b>Date:</b> 8/16/06	<b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
X	Wetland
U	Upland
—	Stream
- . .	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>PFD</i>	Date: <i>8/17/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: <i>IC1054A</i> Plot ID: <i>SSI</i>

**VEGETATION** *PFD*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>40%</i> Shrub: <i>35%</i> Herb: <i>95%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED maple</i>	<i>T/S</i>		9.		
2. <i>NANY berry</i>	<i>S</i>		10.		
3. <i>SPHAGNUM</i>	<i>H</i>		11.		
4. <i>WILD RICE</i>	<i>H</i>		12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>1"</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Photo 3 =&gt; N</i>	

Date: 8/17/06  
 Community ID: WETLANDS  
 Plot ID: IC1054A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 3/3			ORGANIC / PEAT
4-8	A	10YR 3/2	10YR 4/2	TO 1.50 max	Silty SAND
8-12	B	10YR 5/3			SAND
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Reversal of Agents 12"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="float:right;">Yes No</span>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RD, JC</i>	Date: <i>8/17/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPLAN</i> Transect ID: <i>IC1054A</i> Plot ID: <i>SS2</i>

*IC987A-SS2 ←*

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Some veg as</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>Photo 6</i>	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM JV	Date: 8.17.00 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: IC987A-SS2

**VEGETATION**

Plant Community Classification: Open Woods  
 Percent Canopy Cover: Tree: 55% Shrub: 40% Herb: 90% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Malanthemum canadense</i>	H	FAC
2. <i>Abies balsamea</i>	T	FAC	10.		
3. <i>Populus grandidentata</i>	S	FACU	11.		
4. <i>Fagus grandifolia</i>	S	FACU	12.		
5. <i>Viburnum lantana</i>	S	FAC	13.		
6. <i>Peridium aquilinum</i>	H	FACU	14.		
7. <i>Vaccinium corymbosum</i>	H	FACU	15.		
8. <i>Cornus canadensis</i>	H	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/9 < 50%.

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>TOPO / DEC</u> <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>Upper 6"</u>	
Remarks:	

Date: 8.17.06  
 Community ID: upland  
 Plot ID: EC987A-SS2

**SOILS**

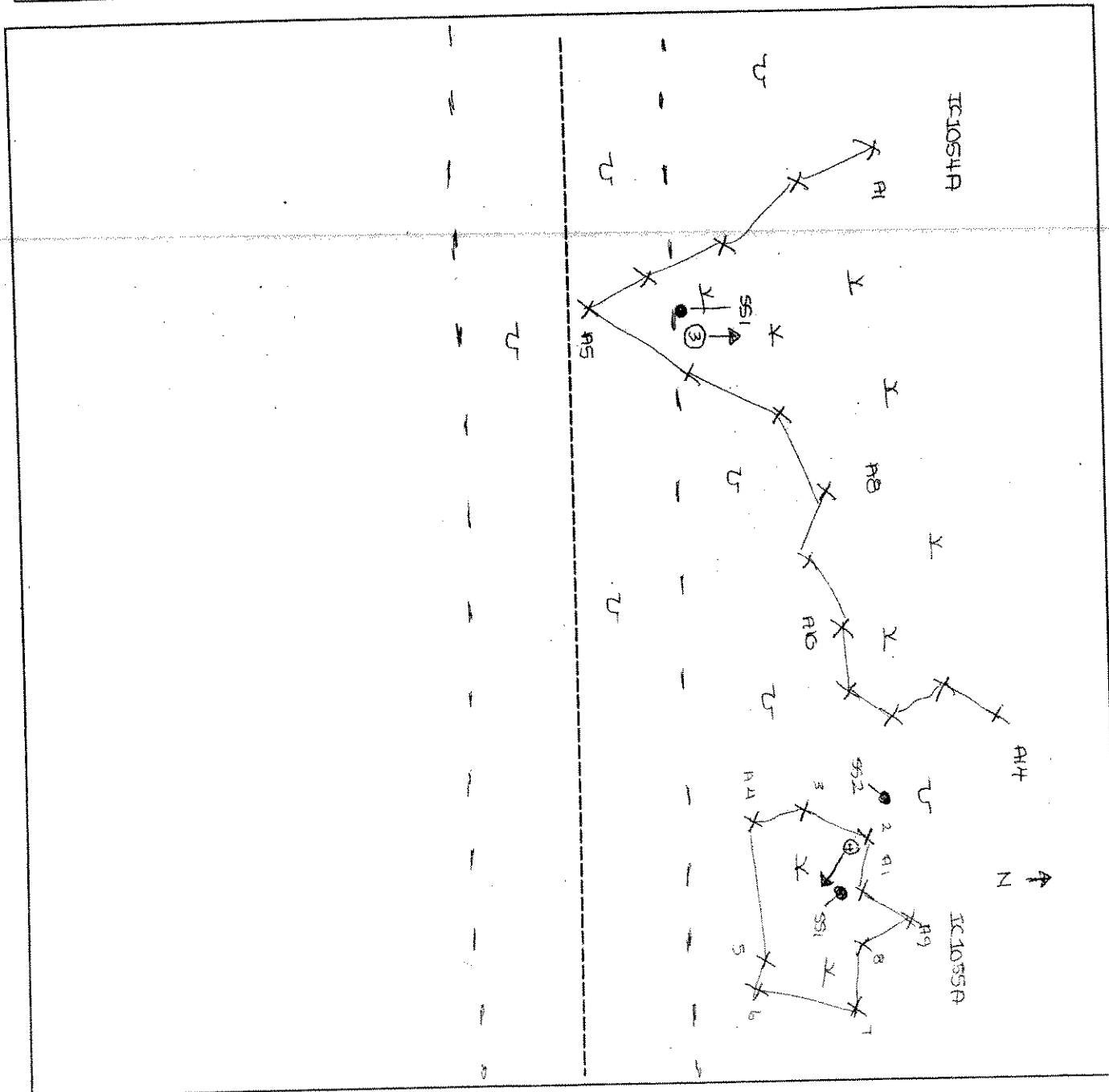
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O				Peat / organics
1-3	A	10YR 2/1			Fine sandy loam
3-4	E	10YR 4/3			Fine sandy silty clay
4-	B	10YR 6/1	10YR 5/8		Fine sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks		
Photo P0817 0006 to N ≡ SS2		

**SKETCH FORM**

Wetland ID/Route #: IC1054-A / IC1055A	Date: 8/4/06	Time: PM
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #: _____	Frames: PHOTO ③ FACING NORTH / PHOTO ④ FACING SOUTHEAST	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IB JV</i>	Date: <i>9/10/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>IC1154 / IC1155</i>

*SSI  
SS2*

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree		Shrub		Herb	
Vine					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Rep plot, Refer to WTG173</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Rep plot 7; Refer to WTG173</i>	

Date: 9/10/06  
 Community ID:  
 Plot ID: IC 1154, IC1155  
 S31, S52

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

*Rep plot, refer to WTG-173*

**WETLAND DETERMINATION**

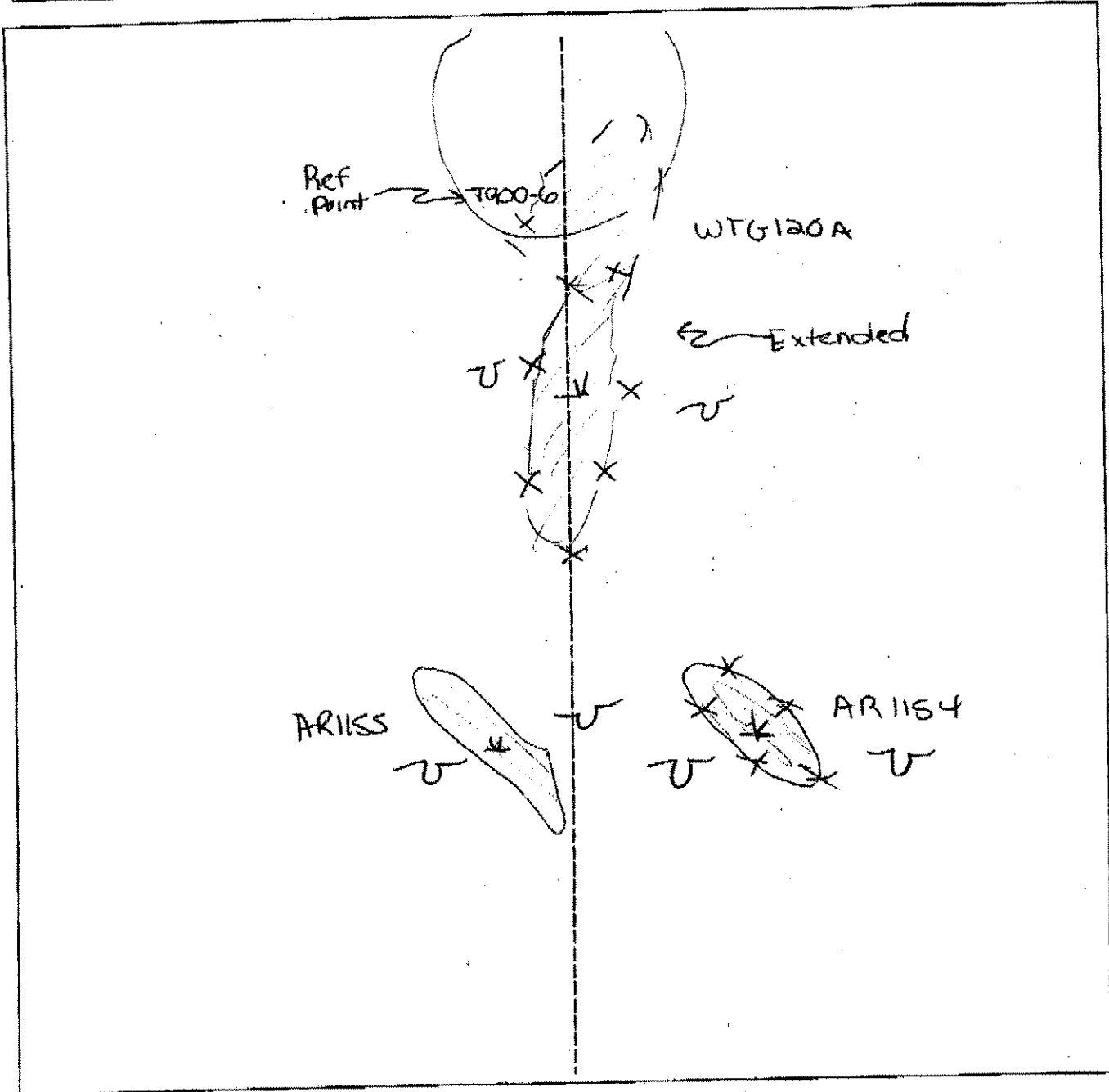
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

*Rep plot, refer to WTG-173*

SKETCH FORM

Wetland ID/Route #: WTG120A, IC 1154, IC1155	Date: 9/10/06	Time:
Initials of Delineators: JB, TV	Location: IC between 173 + 138	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream
	N



WTG 173A  
 REP PLOT 1C1154  
 FOR →

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

D.G.  
 WTG 173 909-4  
 Wetland

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPT	Date: 5/9/08 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: 7F0 Transect ID: Plot ID: WTG 173-909-55)

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63 Shrub: 0 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar maple	Tree	FACU*	9.		
2. Mayflower	Herb	FAC-	10.		
3. U.S. Fern	Herb	FAC**	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/3 = 66

Remarks:  
 \* Sugar maple - w/ morph adaptation, shallow root, on hummocks  
 \*\* Definitive ID. not possible seasonal conditions - assumed FAC

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): None* Depth to Free-Standing Water in Pit (in.): Surface Depth to Saturated Soil (in.): Surface	
Remarks: * Surface H <sub>2</sub> O present in W.L. in sporadic areas	

Wetland

459 2.0

Date: 5/9/06  
Community ID: PFO  
Plot ID:

WTG 173-909-951

**SOILS**

Map Unit Name  
(Series and Phase): W/A

Drainage Class: XD

Taxonomy (SubGroup): N/A

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	Ap	10YR3/1	None	None	FSL
4-12	Bw <sub>2</sub>	10YR5/2	10YR5/4	com / med / Dist	FSL

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
Wetlands Hydrology Present?  
Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland?  Yes No

Remarks

WTG-173A  
 PEP PLOT 1154  
 FOR

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

Upland  
 V.G. WTG 173-909-4

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPE	Date: 5/9/06 County: Clayton State: NJ
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/> Yes Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/> Yes (If needed, explain on reverse.)	Community ID: PEO Transect ID: 552 Plot ID: WTG-173-909

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: 63.0 Sap: 10.5 Herb: 20.5 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	Tree	FACU	9.		
2. Beech	Tree	FACU	10.		
3. Sugar Maple	Sap	FACU	11.		
4. May Flower	Herb	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: none Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): none Depth to Free Standing Water in Pit (in.): >14" Depth to Saturated Soil (in.): >14"	
Remarks:	

427 FT + 1100

Date: 5/9/06  
 Community ID: RFO  
 Plot ID:  
 WT6-123-909-552

**SOILS**

Map Unit Name (Series and Phase): <i>N/A</i>		Drainage Class: <i>MWD</i>			
Taxonomy (SubGroup): <i>N/A</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-5</i>	<i>Ap</i>	<i>10YR 3/2</i>	<i>none</i>	<i>none</i>	<i>FGL</i>
<i>5-8</i>	<i>E</i>	<i>10YR 5/3</i>	<i>none</i>	<i>none</i>	<i>FGL</i>
<i>8-14+</i>	<i>Bw<sub>1</sub></i>	<i>7.5YR 4/1</i>	<i>none</i>	<i>none</i>	<i>FGL</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/> No	
Remarks			

WTG-173-B  
 REP PLOT 101154  
 FOR →

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

wetland  
 D.C. WTG 173-910-3

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>GRZ</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Community ID: <i>P460</i> Transect ID: Plot ID: <i>WTG173-910-551</i>

VEGETATION \* *Logging activity*

Plant Community Classification:  
 Percent Canopy Cover: Tree: *0* <sup>*Shr*</sup> Shrub: *10.5* Herb: *36.0* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex sp.</i>	<i>Herb</i>	<i>FACW</i>	9.		
2. <i>Job's Tears</i>	<i>Herb</i>	<i>FACW</i>	10.		
3. <i>Sugar Maple</i>	<i>Shrub/Tree</i>	<i>FACW</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/3 = 66*

Remarks: \* *Assumed*  
 \* *Disturbed by logging activity*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>3"</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Wetland FI 370  
D.G 910-3

Date: 5/9/06  
Community ID: P55  
Plot ID:

W26 173 - 910-551

**SOILS**

Map Unit Name (Series and Phase): N/A  Taxonomy (SubGroup): w/10	Drainage Class: VPD  Field Observations Confirm Mapped Type? Yes No
---	--

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR 2/1	None	None	FSL
6-12	Bg	10YR 6/1	None	None	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetlands Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	--

Remarks

WTG-173B  
 REPPLOT FOR  
 1C1154

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

U.6 - 910-3  
 Wetland

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPA	Date: 5/19/06 County: Clinton State: NC
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: P85 Transect ID: Plot ID: WTG 173-910-55-2

VEGETATION

\* Logging activity

Plant Community Classification: Percent Canopy Cover: Tree: 38 Shrub: 38.0 Herb: 10.5 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar maple	Tree	FACU-			
2. Poplar	Tree	FACU			
3. Poplar	Shrub	FACU			
4. Sugar maple	Shrub	FACU			
5. Mayflower	Herb	FACU			
6.					14.
7.					15.
8					16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: none Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): none Depth to Free Standing Water in Pit (in.): > 14" Depth to Saturated Soil (in.): > 14"	
Remarks:	

Upland! etc

Date: 5/9/06  
Community ID: P65  
Plot ID:  
WTG 173 - 910 862

**SOILS**

Map Unit Name (Series and Phase): <i>n/a</i>	Drainage Class: <i>mwd</i>
Taxonomy (SubGroup): <i>n/a</i>	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	<i>Ap</i>	<i>10YR 3/3</i>	<i>none</i>	<i>none</i>	<i>ESL</i>
8-14	<i>Bw</i>	<i>10YR 4/4</i>	<i>none</i>	<i>none</i>	<i>ESL</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks



WTG-173C

Wetland

REP PLOT FOR 101154

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

WTG 173-914-881

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BRZ</i>	Date: <i>5/10/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>PS5/PEN</i> Transect ID: Plot ID: <i>WTG 173-914-881</i>

VEGETATION *& Logging activity*

Plant Community Classification:  
Percent Canopy Cover: Tree: *0* *Sop* Shrub: *38* Herb: *85.5* Vine: *7*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>Sop</i>	<i>FAC</i>	9.		
2. <i>Red Maple</i>	<i>Sop</i>	<i>FACW</i>	10.		
3. <i>Unk. Grass *</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Sugar Maple</i>	<i>Sop</i>	<i>FACW</i>	12.		
5. <i>Sensitive Fern</i>	<i>Herb</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *3/5 = 60*

Remarks:  
*\* Unk. Grass. - cannot be ID due to seasonal condition assumed FACW*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>none</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

10/27/06

Date: 5/10/06  
 Community ID: 885/PEW  
 Plot ID:

WTG173-914-85-1

**SOILS**

Map Unit Name (Series and Phase): <u>u/p</u>	Drainage Class: <u>FD</u>
Taxonomy (SubGroup): <u>u/n</u>	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-14	Ap	10Y2.2/1	None	None	FSL
14-14	Bw	10Y2.6/2	10Y2.7/6	com, med, DIS	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Remarks

WTG-1730

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Upland

WTG 173-914-352

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BPA</i>	Date: <i>5/10/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not <input type="checkbox"/> Yes <input type="checkbox"/> No
	Community ID: <i>850/06N</i> Transect ID: Plot ID: <i>WTG 173 914 - 352</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACU</i>	9.		
2. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Black Cherry</i>	<i>Tree</i>	<i>FACU</i>	11.		
4. <i>White Flower</i>	<i>Herb</i>	<i>FAC-</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>1/4 = 25</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>&gt;12"</i> Depth to Saturated Soil (in.): <i>&gt;12"</i>	
Remarks:	

0.551-570

Date: 5/10/06  
 Community ID: P485 / P6M  
 Plot ID:

W6 173.914 - Upland

**SOILS**

Map Unit Name (Series and Phase): <u>W/M</u>	Drainage Class: <u>W6</u>
Taxonomy (SubGroup): <u>N/A</u>	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR 2/2	none	none	FSL
6-12	B <sub>w</sub>	10YR 4/6	none	none	F6L

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/> NO	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes	<input type="checkbox"/> NO	
Hydric Soils Present?	Yes	<input type="checkbox"/> NO	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH, JV	Date: 7/27/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> Is the area a potential Problem Area? <span style="float:right; border: 1px solid black; border-radius: 50%; padding: 2px;">No</span> (If needed, explain on reverse.)	Community ID: wetland Transect ID: Plot ID: wt6173D-SSI

**VEGETATION**

Plant Community Classification: PFD1					
Percent Canopy Cover: Tree: 60 Shrub: 50 Herb: 90 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	T	FAC	9.		
2. Gray Birch	T	FAC	10.		
3. Red Maple	S	FAC	11.		
4. Big tooth Aspen	S	FACU-	12.		
5. Cane sp	H	-	13.		
6. Red Maple	H	FAC	14.		
7. Shining Club Moss	H	FACW	15.		
8. Sillig Dogwood	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/7 7/9					
Remarks: Disturbed Area due to logging - Area has wheel ruts, mounded dirt throughout - Forest logged in somewhat recent past - cat tail - Junco effusus - Bull Nsh in nearby area.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): —  Depth to Free Standing Water in Pit (in.): —  Depth to Saturated Soil (in.): 3	
Remarks: pit #1 N c s s i	

Date: 7/27/06  
 Community ID: wetland  
 Plot ID: WB173D-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	7.5YR-2.5/1			Silt loam
3-6	B	2.5Y-5/2	10YR-5/8	Common/red/distinct	Fine sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: *Refusal of auger 6"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: *wetland plants mostly concentrated in old logging road. No soil pulls possible in those areas. SSI taken in area on wetland edge.*

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BH, JV</i>	Date: <i>7/27/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>WTG/73D-552</i>

**VEGETATION**

Plant Community Classification: <i>Beech Maple Forest</i>					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>40</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>American Beech</i>	<i>T</i>	<i>FACW</i>	10.		
3. <i>American Beech</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Big TOB Aspen</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>Canada Mayflower</i>	<i>H</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>1/5 20%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>—</i>  Depth to Free Standing Water in Pit (in.): <i>—</i>  Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

Date: 7/27/06  
 Community ID: upland  
 Plot ID: WB-173D-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-2/1			Fine sandy loam
6-12	B	7.5YR-3/1			Fine sandy loam / some gravel

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:   
 - Refusal auger at 12"   
 - Some gravel (pebbles) pick up in B layer

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM JV	Date: 8-17-06 County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No                 </td> <td style="text-align: center; width: 50%;"> <input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No                 </td> </tr> </table>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Community ID: PFO1 / PSS Transect ID: Plot ID: IC 907 A-SSI			

**VEGETATION**

Plant Community Classification: Open Wooded - PFO1 / PSS

Percent Canopy Cover: Tree: 20-60 Shrub: 60 Herb: 80-90 Vine: -

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Sphagnum &gt;20%</u>	<u>H</u>	<u>OBL</u>
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Viburnum lantago</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Spiraea latifolia</u>	<u>S</u>	<u>FAC+</u>	13.		
6. <u>V. lantago</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Carex stricta</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>C. vulpinoides</u>	<u>H</u>	<u>OBL</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100

Remarks: Bracken fern adj to SSI, but beyond wetland boundary

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):                  ___ Stream, Lake, or Tide Gauge                  ___ Aerial Photographs  <input checked="" type="checkbox"/> Other <u>PO/DEC</u>                  ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <input checked="" type="checkbox"/> Inundated <u>- in places</u> <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <p>Secondary Indicators (2 or more required):</p> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>3"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 8-17-06  
 Community ID:  
 Plot ID: K987 A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O				Peat / organics
3-6	A/E	E - 10YR 5/1			Fine sandy loam
		A - 10YR 4/3			
6-12	B	10YR 4/3			Fine sandy clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Refusal @ 12"

Soil { No upland veg present, Frequent ponding, soils saturated @ surface despite lack of recent heavy rains. Manganese streaking in A/E layer

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

P08170005 to S = SS1 (wetland)

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SM JV</u>	Date: <u>8.17.00</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC987A-SS2</u>

**VEGETATION**

Plant Community Classification: Open Woods  
 Percent Canopy Cover: Tree: 55% Shrub: 40% Herb: 90% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Malanthemum canadense</u>	<u>H</u>	<u>FAC</u>
2. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Populus grandidentata</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Fagus grandifolia</u>	<u>S</u>	<u>FACU</u>	12.		
5. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Peridium aquilinum</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Vaccinium corymbosum</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Cornus canadensis</u>	<u>H</u>	<u>FAC</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/9 < 50%

Remarks:

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs <input checked="" type="checkbox"/> Other <u>TOPO / DEC</u> ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>Upper 6"</u>	

Remarks:

Date: 8.17.06  
 Community ID: Upland  
 Plot ID: EC987A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O				Peat / organics
1-3	A	10YR 2/1			Fine sandy loam
3-4	E	10YR 4/3			Fine sandy silty clay
4-	B	10YR 6/1	10YR 5/3		Fine sandy silt

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

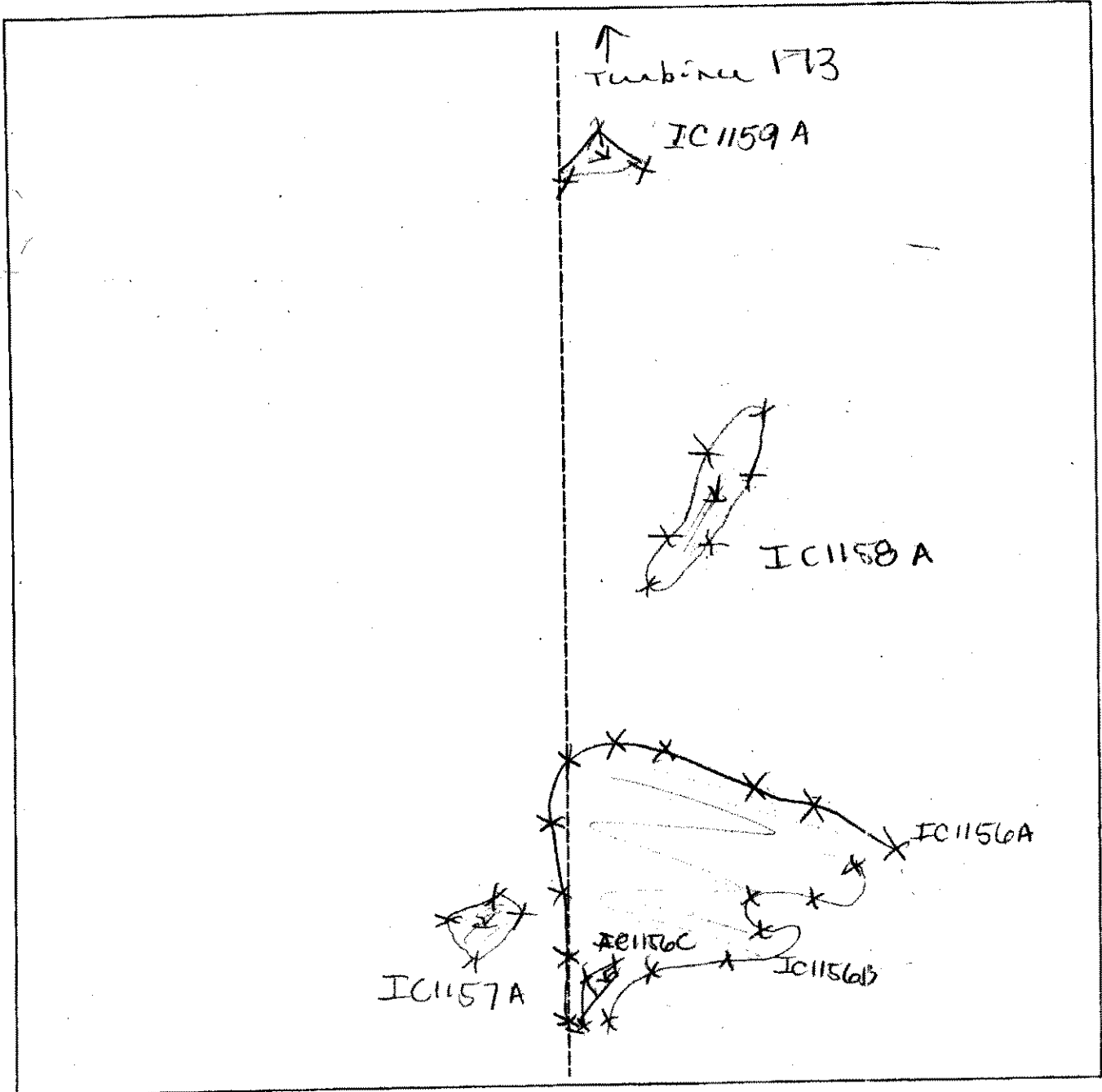
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks: Photo P0817 0006 to N = SS2

### SKETCH FORM

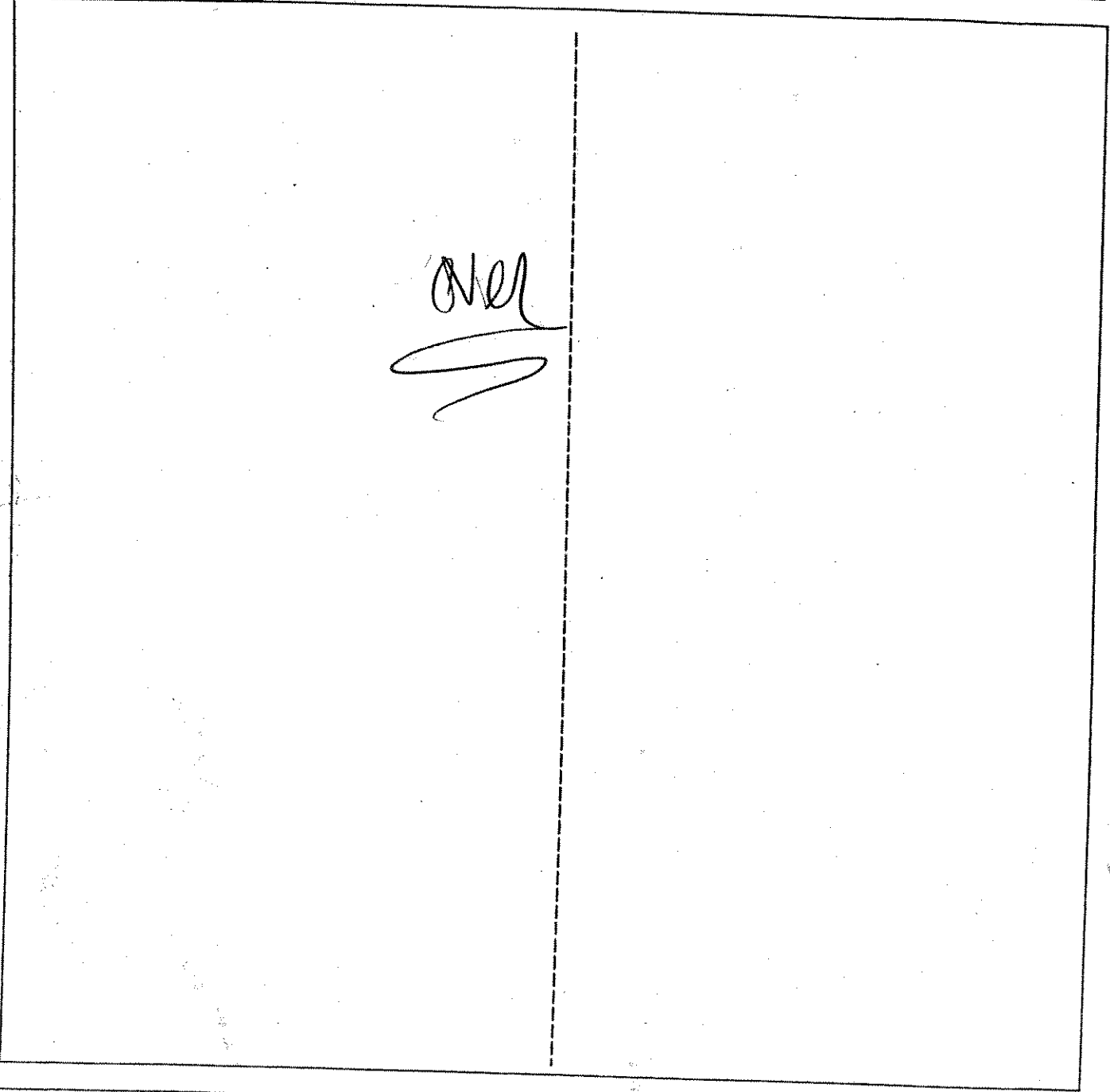
<b>Wetland ID/Route #:</b> IC 1156 A/B/C, 1157 A/B, 1159		<b>Date:</b> 9/10/06	<b>Time:</b>
<b>Initials of Delineators:</b> and 1159 IB, JV		<b>Location:</b> JC between 173 + 120	
<b>Roll #:</b>	<b>Frames:</b>		



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

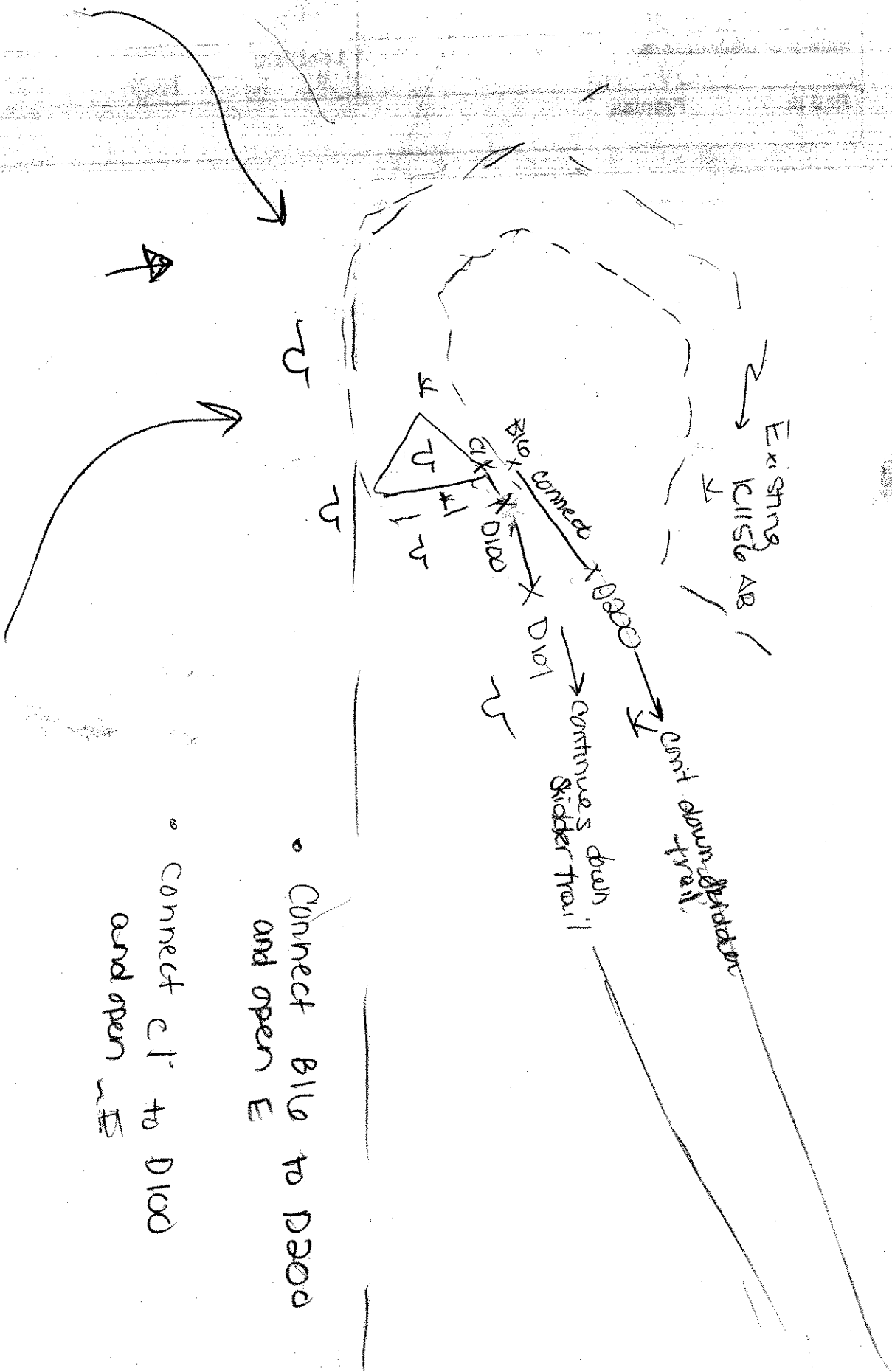
SKETCH FORM

Wetland ID/Route #: IC1156B (EXTENSION)	Date: 5/9/07	Time:
Initials of Delineators: JV AP	Location: IC by T-720	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



- Connect B16 to B200 and open E
- Connect B15 to B200 and open E

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IB JV</u>	Date: <u>10/9/00</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> (If needed, explain on reverse.)	Community ID: <u>PFO1</u> Transect ID: Plot ID: <u>IC1300 NB SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO1</u>					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>20%</u> Herb: <u>50%</u> Vine: <u>10%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Ace rub</u>	<u>T</u>	<u>FAC</u>	9. <u>Doc sens</u>	<u>H</u>	<u>FACW</u>
2. <u>Pru ser</u>	<u>T</u>	<u>FACU</u>	10. <u>Clem. virg</u>	<u>V</u>	<u>FAC</u>
3. <u>Pru ser</u>	<u>S</u>	<u>FACU</u>	11. <u>Abl. bal</u>	<u>T</u>	<u>FAC</u>
4. <u>Ace rub</u>	<u>S</u>	<u>FAC</u>	12. <u>Carex sp</u>	<u>H</u>	<u>-</u>
5. <u>SOL. rub</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>IRI. ver</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Eup. mac</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Felix Pennina</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>9/11 = &gt;50%</u>					
Remarks: <u>T sap</u> <u>Ace rub 2</u> <u>P ser 1</u> <u>P. ser 3</u> <u>NO RUBI</u> <u>A. Bal 1</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>10"</u> Depth to Saturated Soil (in.): <u>6"</u>	
Remarks:	



Date: 10/19/10  
 Community ID: PFD1  
 Plot ID: 101300 A/B SB1

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1			Fine loamy sand
6-12"	B	10YR 4/1			loamy sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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**Remarks:**  
 Recent Alluvium in active floodplain  
 8% OM in Horizon A  
 10% coarse fragments in B Horizon

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: IB JV	Date: 10/2/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: Plot ID: 1030 A/B S52

**VEGETATION**

Plant Community Classification: Deciduous Forest					
Percent Canopy Cover:		Tree: 40	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Ace rub	T	FAC	9. Sol rug	H	FAC
2. P. ser	T	FACU	10. Felix Femina	H	EAC
3. Ulm rug	T	FAC	11. Calce sp	H	—
4. Abi bal	T	FAC	12.		
5. ACP rub	S	FAC	13.		
6. Mat-Cow gal	S	FACU	14.		
7. DCU ser	S	FACU	15.		
8 Sol can	H	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 7/10 = 70%					
Remarks: T 5 R. Map 4 P. ser 4 U. rug 2 Abi bal 1 H. rub 6 Hawth 1 P. ser 5					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators: NONE</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NONE Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/19/06  
 Community ID: UPLAND  
 Plot ID: 1C1300 A/B 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2			FINE SANDY LOAM
8-13	B	10YR 3/4			FINE SANDY LOAM

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks:  
 COMMON TO FINE ROOTS IN UPPER 5"  
 Refusal @ 13"

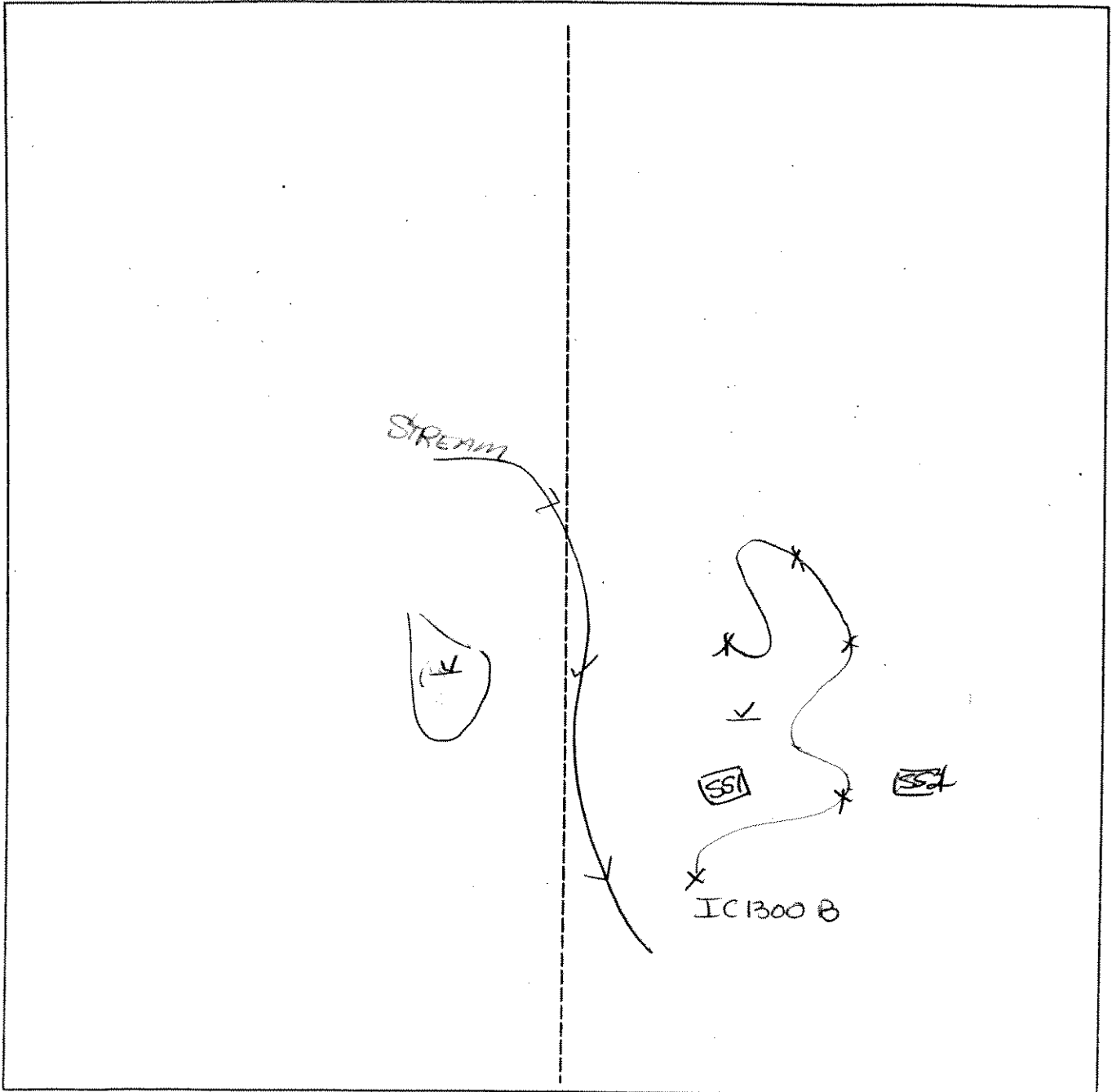
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

**SKETCH FORM**

Wetland ID/Route #: IC1300 A/B-	Date: 10/9/06	Time:
Intials of Delineators: JB JV	Location: IC WOP T-SI	
Roll #:	Frames:	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JB JV	Date: 10/13/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: AR1311A-551

**VEGETATION**

Plant Community Classification: <u>Aq Field (PEM)</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus effusus</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Salix sericea</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>3/3 = 100%</u>					
Remarks: <u>*late in season; variety of (3)</u> <u>Ranunculus, <del>Fanagella</del> Leontodon autumnalis</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>8"</u>	
Remarks:	

Date: 10/13/06  
 Community ID: PEM  
 Plot ID: AR1311 A 551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 2/2			Fine Sandy loam
5-8	B	2.5Y 5/2	7.5YR 5/8	100mm/med/prom	" "
8-9	B	2.5Y 5/2	7.5YR 5/8	many / med / prom	" "
9-10	B	2.5Y 5/2	10YR 6/1	100mm / med / prom	" "

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Observed very moist soils @ 5" and saturated soils above 12" at 8"  
 51. coarse fragment observed @ 15"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: IB JV	Date: 10/13/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WPL Transect ID: Plot ID: AB1311 A 552

**VEGETATION**

Plant Community Classification: OPEN Ag Field					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Ranunculus repens	H	FAC	9.		
2. Taraxacum officinale	H	FACU	10.		
3. Plantago major	H	FACU	11.		
4. Link Grass	H	—	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/3 < 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DECI TOPO <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NONE  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/13/06  
 Community ID: Upand  
 Plot ID: AR1311 A 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A <sub>1</sub>	10YR 3/2			loam
8-11	A <sub>2</sub>	10YR 3/2	5YR 4/6	Fine / Common / Prom	loam
11-20	B <sub>2</sub>	10YR 6/2	7.5YR 4/6	Common / Fine / Prom	Fine sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 common - fine roots in upper 4"  
 10% coarse fragments observed in B horizon  
 observed saturation at 16"

**WETLAND DETERMINATION**

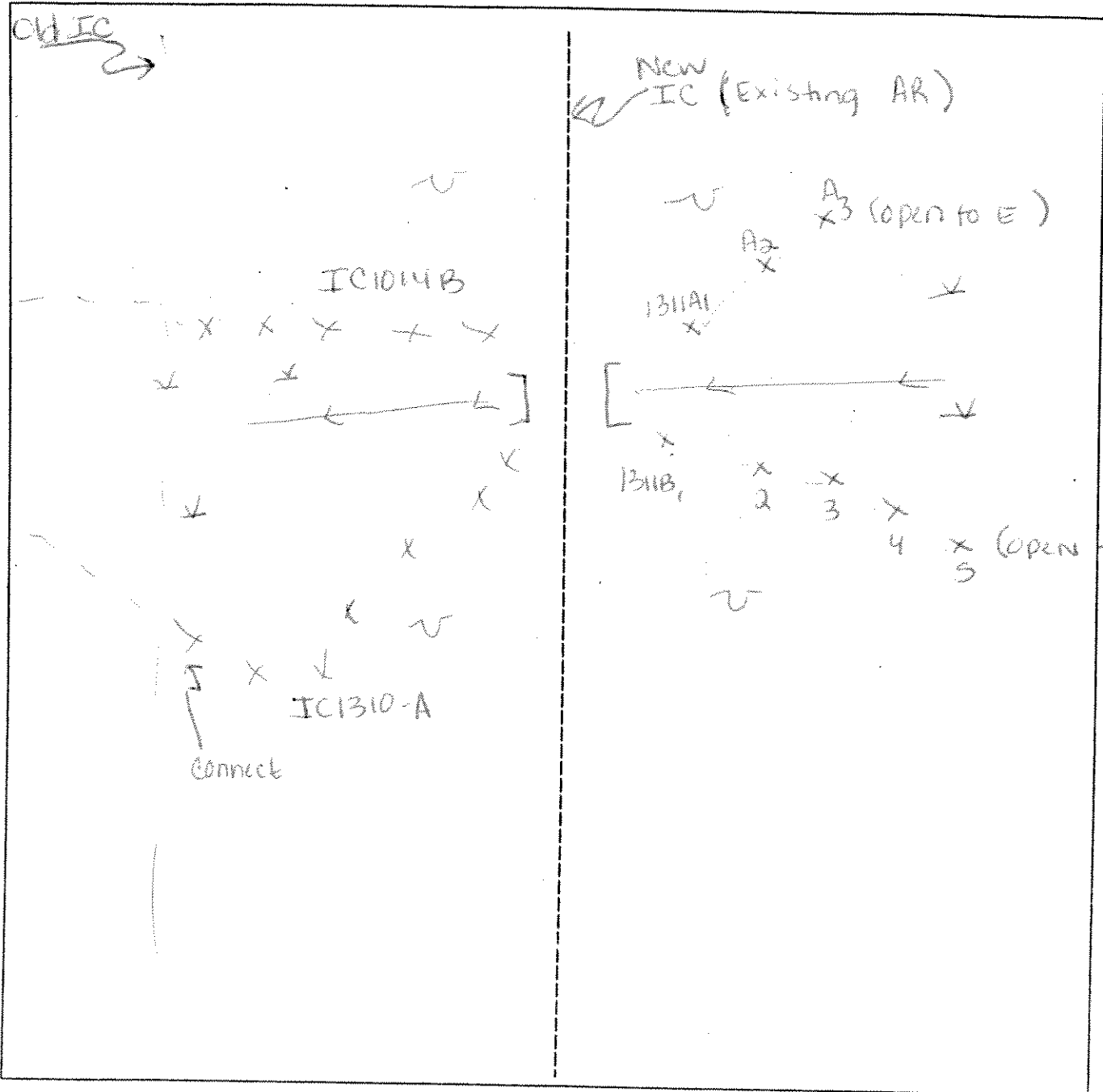
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks



**SKETCH FORM**

<b>Wetland ID/Route #:</b> K1014 B / IC1310, 1311A/B		<b>Date:</b> 10/12/06	<b>Time:</b>
<b>Initials of Delineators:</b> JV IB		<b>Location:</b> IC N of F. 175	
<b>Roll #:</b>	<b>Frames:</b>		



<b>Legend</b>		
Photo Location/Direction	Wetland	
Sample Station	Upland	
Centerline	Stream	
Flag	Intermittent Stream	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARIE River</u> Applicant/Owner: <u>(Signature)</u> Investigator: <u>(Signature)</u>	Date: <u>6/22/06</u> County: State:
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: <u>ACT 1003</u> Plot ID: <u>551</u>

**VEGETATION** (PEW)

Plant Community Classification: <u>PEW</u>					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>25%</u>	Herb: <u>95%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>CAREX SCOPARIA</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>MEADOW SWEET</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>DK GRASS</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>BUTTER CUP</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>GRASS</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>WILLOW</u>	<u>H</u>	<u>OBL</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u> .					
Remarks: <u>CAREX SCOPARIA, C. Intermixta, Slk, willow &amp; s fern observed in other parts of wetland</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>8"</u>	
Remarks: <u>Disturbed Area - RTH-D.</u>	

Date: 6/22/06  
 Community ID: Wetlands  
 Plot ID: MET 1003A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 4/2	—	—	Silt, clay loam
8-16+	B	10YR 5/2-5/3	7.5YR 4/4	many kumex / 1/4	clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Hydric soils likely 18" within depressions & at exist GRADE					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>MADIE River</i> Applicant/Owner: <i>HORIZON Wind Power, LLC</i> Investigator: <i>[Signature]</i>	Date: <i>6/22/06</i> County: <i>Clinton</i> State: <i>NV</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>MES1003A</i> Plot ID: <i>552</i>

**VEGETATION** *EARLY Successional*

Plant Community Classification: Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>95%</i> Vine: <i>0</i>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <i>Yarrow</i></td> <td><i>H</i></td> <td><i>FACU</i></td> <td>9. <i>Red Clover</i></td> <td><i>H</i></td> <td><i>FACU</i></td> </tr> <tr> <td>2. <i>Solidago</i></td> <td><i>H</i></td> <td><i>-</i></td> <td>10. <i>Field Sourd</i></td> <td><i>H</i></td> <td><i>FACU</i></td> </tr> <tr> <td>3. <i>R. crispus</i></td> <td><i>H</i></td> <td><i>FACU</i></td> <td>11. <i>Strawberry</i></td> <td><i>H</i></td> <td><i>FACU</i></td> </tr> <tr> <td>4. <i>Trifolium</i></td> <td><i>H</i></td> <td><i>FAC</i></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5. <i>Flax weed</i></td> <td><i>H</i></td> <td><i>UPL</i></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6. <i>Daisy</i></td> <td><i>H</i></td> <td><i>FACU</i></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7. <i>Cowitch</i></td> <td><i>H</i></td> <td><i>UPL</i></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8. <i>Timothy</i></td> <td><i>H</i></td> <td><i>FACU</i></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <i>Yarrow</i>	<i>H</i>	<i>FACU</i>	9. <i>Red Clover</i>	<i>H</i>	<i>FACU</i>	2. <i>Solidago</i>	<i>H</i>	<i>-</i>	10. <i>Field Sourd</i>	<i>H</i>	<i>FACU</i>	3. <i>R. crispus</i>	<i>H</i>	<i>FACU</i>	11. <i>Strawberry</i>	<i>H</i>	<i>FACU</i>	4. <i>Trifolium</i>	<i>H</i>	<i>FAC</i>	12.			5. <i>Flax weed</i>	<i>H</i>	<i>UPL</i>	13.			6. <i>Daisy</i>	<i>H</i>	<i>FACU</i>	14.			7. <i>Cowitch</i>	<i>H</i>	<i>UPL</i>	15.			8. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	16.		
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Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>																																																						
Remarks:																																																						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 6/22/06  
 Community ID: Uplands  
 Plot ID: MET1003 A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	
0-18"	A	10YR 4/2-5/1B	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

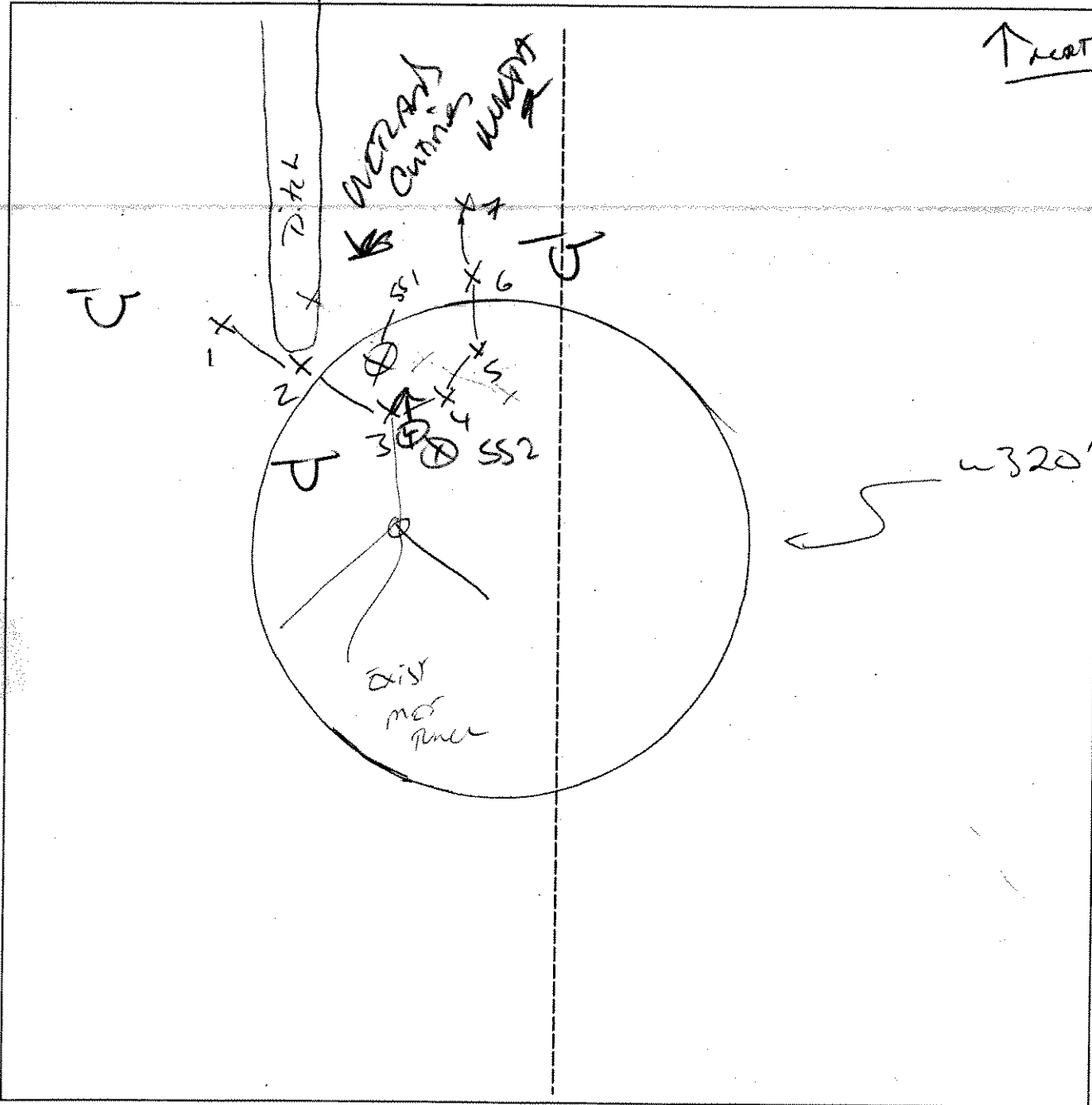
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	Yes	<input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No			
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No			

Remarks

SKETCH FORM

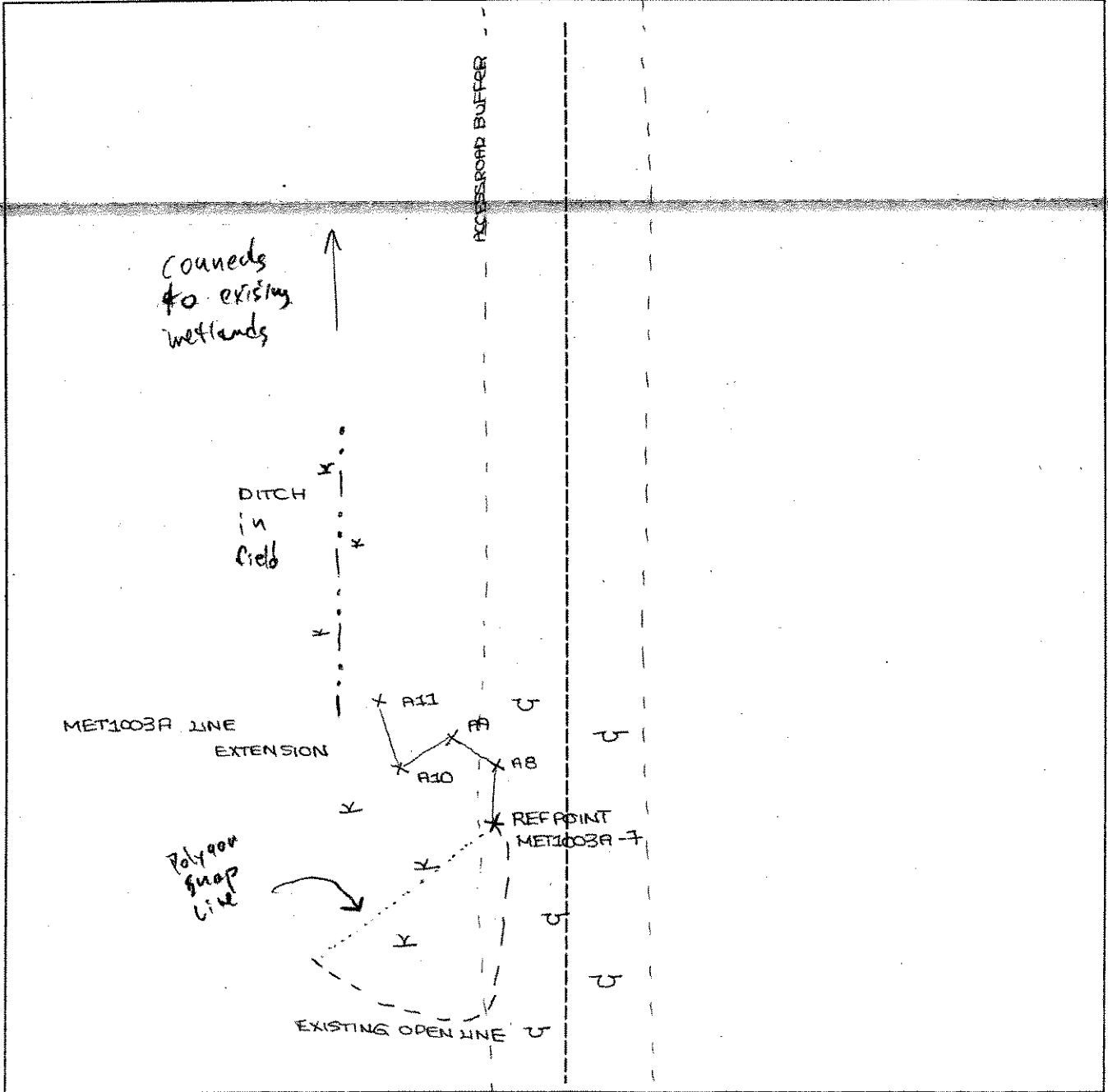
Wetland ID/Route #: <i>NET 1003A</i>	Date: <i>6/22/06</i>	Time: <i>1300</i>
Initials of Delineators: <i>AVS</i>	Location: <i>Dick Cole's Property</i>	
Roll #: <i>4</i>	Frames: <i>NNW</i>	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

SKETCH FORM

Wetland ID/Route #: MET1003A	Date: 7/24/06	Time:
Intials of Delineators: BS / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		<del>Intermittent Stream</del> DITCH

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 5/24/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLANDS Transect ID: MET1003 BK Plot ID: SSI

**VEGETATION** *PEM / PSS*

Plant Community Classification: <i>PEM / PSS</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>45</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>CAREX sp.</i>	<i>H</i>		9.		
2. <i>JUNCUS effusus</i>	<i>H</i>	<i>FACWT</i>	10.		
3. <i>GRAY BIRCH</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>STEEPLE TUSH</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>SILKY WILLOW</i>	<i>S</i>	<i>OBL</i>	13.		
6. <i>PEAR WILLOW</i>	<i>S</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $5/6 = 83\%$

Remarks: *PEM within Swale & PSS Along edges. FEW EQUIVOCAL*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2" in places</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	



Date: 5/24/07  
 Community ID: WETLANDS  
 Plot ID: MET1003B/C-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 5/1	10YR 4/6	mod. med. / dist.	CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks  
 WETLANDS limited to Disturbed Area  
 in main marsh with swales, R/S

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 5/24/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLANDS Transect ID: MET1005TB Plot ID: 552

**VEGETATION** (UPLAND POLY-SUCCESSIVE PLOT)

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree:  $\emptyset$  Shrub: 75% Herb: 95% Vine:  $\emptyset$

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. MEADOW SWEET	S	FAC+	9.		
2. GRASS	H		10.		
3. BRAMBLES	S		11.		
4. BUTTERCUP	H	FAC	12.		
5. STRAWBERRY	H	FACV	13.		
6. R. STAMINA 6LWD	H	FAC	14.		
7. GOLDEN LWD	H		15.		
8. GRAY DICK	S	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $4/8 = 50\%$

Remarks: FEW SCATTERED willow & STEEPLE hsk

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): n/a          Depth to Free Standing Water in Pit (in.): n/a          Depth to Saturated Soil (in.): n/a</p>	
Remarks:	

Date: 5/24/07  
 Community ID: UPLand  
 Plot ID: MET 1003 B-SS2

**SOILS**

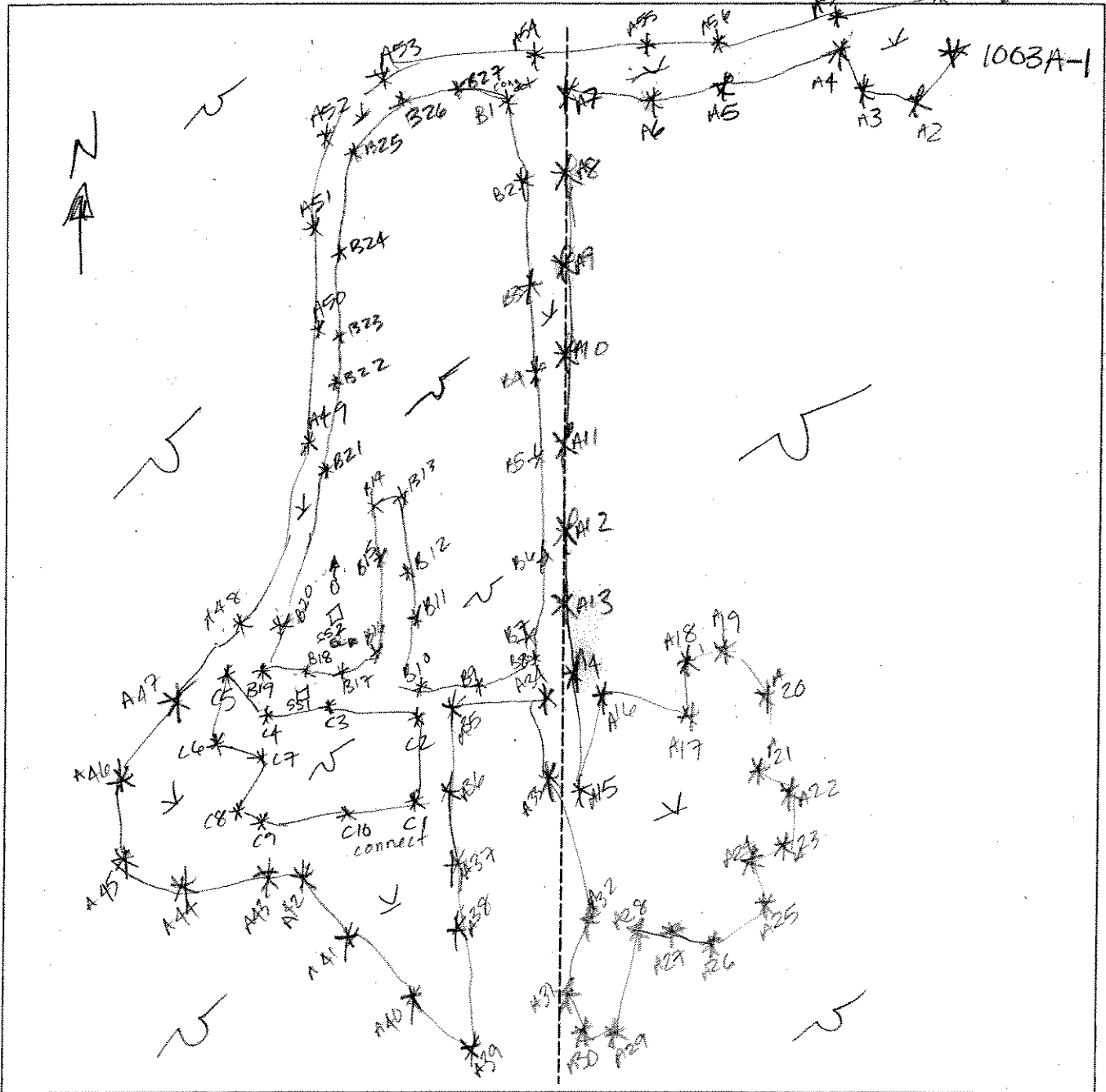
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/1	10YR 4/6	common, fine, distinct	silty clay
10-18	B	10YR 5/1	10YR 3/6	mainly, med., distinct	clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: ORCs in A					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: Representative Sample Station for MET 1003 C Also.			

SKETCH FORM

Wetland ID/Route #: MET 1003A/B/C	Date: 5/23;24/07	Time:
Initials of Delineators: RD AP	Location: DICK COLE prop.	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <b>KARBE RIVER WIND FARM</b> Applicant/Owner: Investigator: <b>RJD / SSO</b>	Date: <b>8/2/2007</b> County: <b>CLINTON</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>WETLAND</b> Transect ID: <b>ME154A/B</b> Plot ID: <b>SSI</b>

**VEGETATION**

**PEN / PSS**

Plant Community Classification: Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <input checked="" type="checkbox"/> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>SALIX BOBBIANA</b>	<b>S</b>	<b>FACW</b>	9. <b>SCIRPUS ATROVIRENS</b>	<b>H</b>	<b>OBL</b>
2. <b>SILKY WILLOW</b>	<b>S</b>	<b>OBL</b>	10. <b>NARROW LEAVED GOLDENROD</b>	<b>H</b>	<b>FAC</b>
3. <b>CAREX VULPINOIDES</b>	<b>H</b>	<b>OBL</b>	11. <b>PHALARIS ARUNDINACEA</b>	<b>H</b>	<b>FACW+</b>
4. <b>ONOCLEA SENSIBILIS</b>	<b>H</b>	<b>FACW</b>	12. <b>EUPATORIUM MACULATUM</b>	<b>H</b>	<b>FACW</b>
5. <b>JUNCUS EFFLUSUS</b>	<b>H</b>	<b>FACW+</b>	13.		
6. <b>POLYGONUM SPICATUM</b>	<b>H</b>	<b>OBL</b>	14.		
7. <b>SCIRPUS CUPERINUS</b>	<b>H</b>	<b>FACW+</b>	15.		
8. <b>CAREX LURIDA</b>	<b>H</b>	<b>OBL</b>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $12/12 = 100\%$					
Remarks: <b>SPIRAEA LATIFOLIA S</b> <b>IRIS VERSICOLOR H</b> <b>SPIRAEA TOMENTOSA S</b>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated SURFACE <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <b>N/A</b> Depth to Free Standing Water in Pit (in.): <b>3"</b> Depth to Saturated Soil (in.): <b>0" - SURFACE</b>	
Remarks:	

Date: 8/2/2007  
 Community ID: WETLAND  
 Plot ID: NET 1544 A/B SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18		10YR 4/1			SILTY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Isolated?	<input type="radio"/> Yes	<input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland?		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Remarks					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <b>HARBLE RIVER WIND FARM</b> Applicant/Owner: <b>RJD / SSC</b> Investigator: <b>RJD / SSC</b>	Date: <b>9/2/2007</b> County: <b>CLINTON</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>UPLAND</b> Transect ID: <b>REN544A/B</b> Plot ID: <b>SS2</b>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input type="checkbox"/> Herb: <input checked="" type="checkbox"/> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>SOLIDAGO RUSOSA</b>	H	FAC	9.		
2. <b>BRAMBLES</b>	H	FAC/UPL	10.		
3. <b>TIMOTHY</b>	H	FACU	11.		
4. <b>GREAT BURDOCK</b>	H	UPL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $1/4 = 25\%$					
Remarks: <b>SCATTERED YARROW (H)</b> <b>VICIA CRACCA (H)</b> <b>PRUNUS SEROTINA (S)</b>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <b>N/A</b>  Depth to Free Standing Water in Pit (in.): <b>N/A</b>  Depth to Saturated Soil (in.): <b>N/A</b>	
Remarks:	

Date: 8/2/2007  
 Community ID: URAND  
 Plot ID: MET544 A/B SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-14"		10 YR 3/3			SILTY CLAY LOAM + GRAVEL

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:  
 REFUSAL OF AUGUR @ 14"

**WETLAND DETERMINATION**

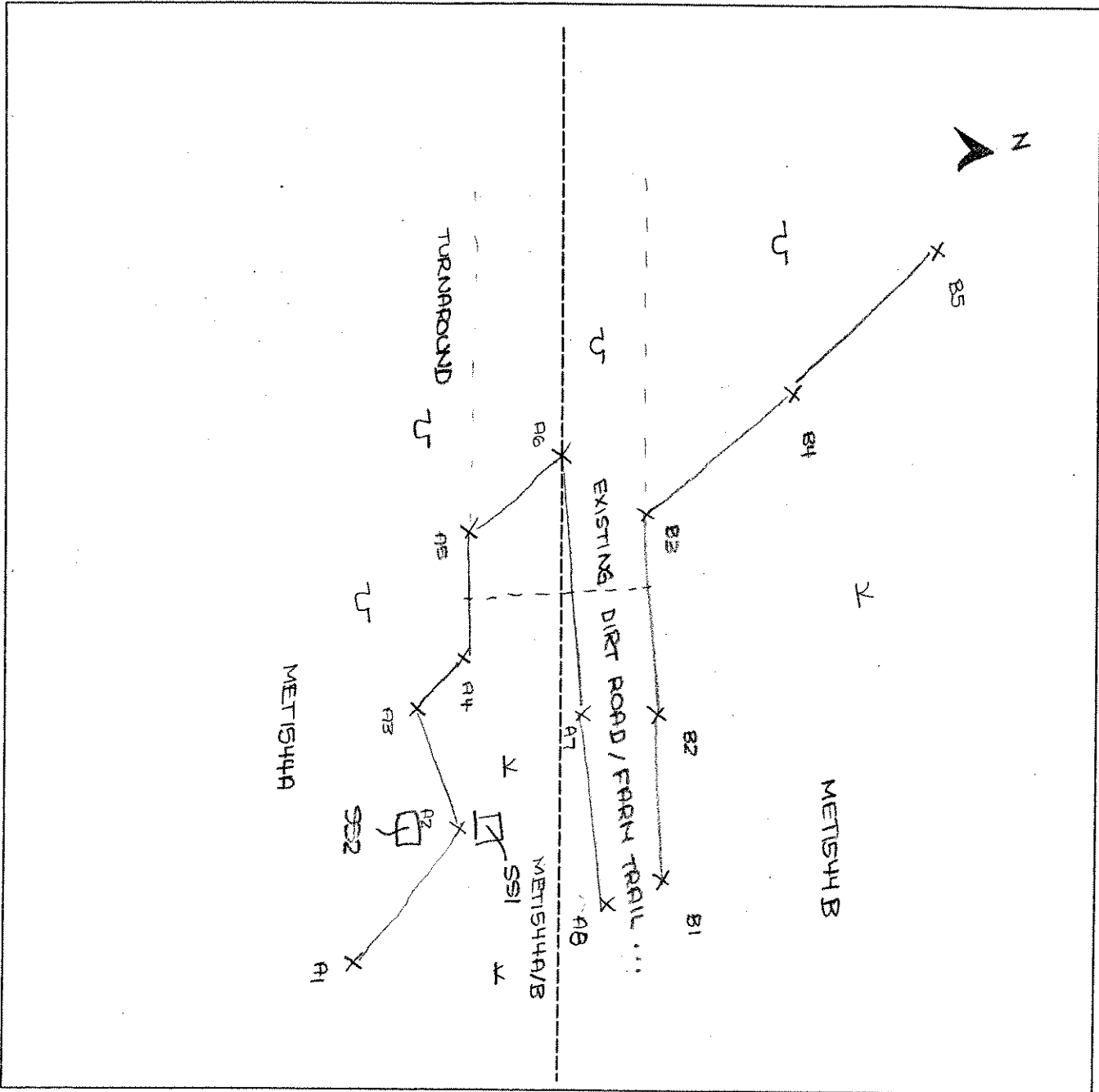
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Isolated? Yes No	
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> MET1544A, MET1544B	<b>Date:</b> 8/2/2007	<b>Time:</b>
<b>Initials of Delineators:</b> RJD / SSC	<b>Location:</b>	
<b>Roll #:</b>	<b>Frames:</b>	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>RTD, SSC</u>	Date: <u>8/2/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WERAND</u> Transect ID: <u>MET1545A</u> Plot ID: <u>SS1</u>

**VEGETATION** PSS1 PEM

Plant Community Classification: _____					
Percent Canopy Cover: Tree: <u>55%</u> Shrub: <u>75%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SILKY WILLOW</u>	<u>S</u>	<u>OBL</u>	9.		
2. <u>AMERICAN ELM</u>	<u>T</u>	<u>FACW-</u>	10.		
3. <u>SOFT RUSH</u>	<u>H</u>	<u>FACW+</u>	11.		
4. <u>SPICE RUSH</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>COLEY CUMATA</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>JEWEL WEED</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>SENYLUS FERN</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>CURLY CLEMATIS</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>7/8 = 88%</u>					
Remarks: <u>TURNERHEAD AS SUB DOMINANT</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>6 + "</u> Depth to Free Standing Water in Pit (in.): <u>0 "</u> Depth to Saturated Soil (in.): <u>0 "</u>	
Remarks: <u>TREELINE DRAINAGE BETWEEN HAY FIELDS</u> <u>DRAINAGE CONTINUES TO SOUTHEAST</u>	

Date: 8/2/07  
 Community ID: WEBRAN15  
 Plot ID:

MB1545A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12"	A	10YR 4/1	-	-	Silty clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Reversal of A<sub>2</sub> at 12"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Isolated? Yes No	Yes <input type="radio"/>	No <input type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Is this Sample Station Point Within a Wetland?		
Hydric Soils Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input checked="" type="radio"/> No <input type="radio"/>		

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>RTD, SSC</u>	Date: <u>8/2/07</u> County: <u>Olin</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>ME1545A</u> Plot ID: <u>SS2</u>

**VEGETATION** HAY FIELD

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Stanes</u>	<u>H</u>		9.		
2. <u>Amonty</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>Stanes</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>TRICHOPH. OFFICINALE</u>	<u>H</u>	<u>FACU-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	
Remarks:	

Date: 8/2/07  
 Community ID: UPLand  
 Plot ID:

METS 457A-052

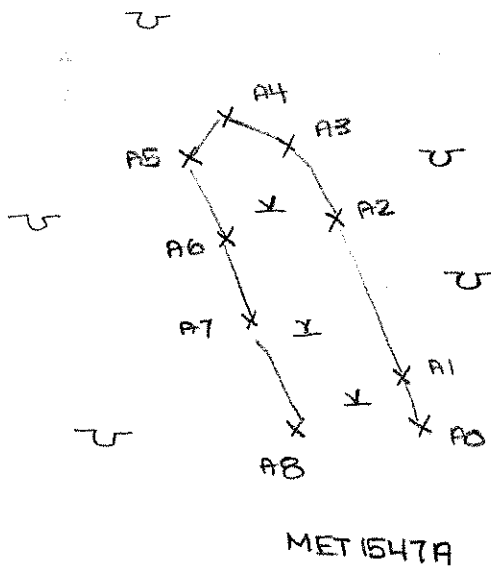
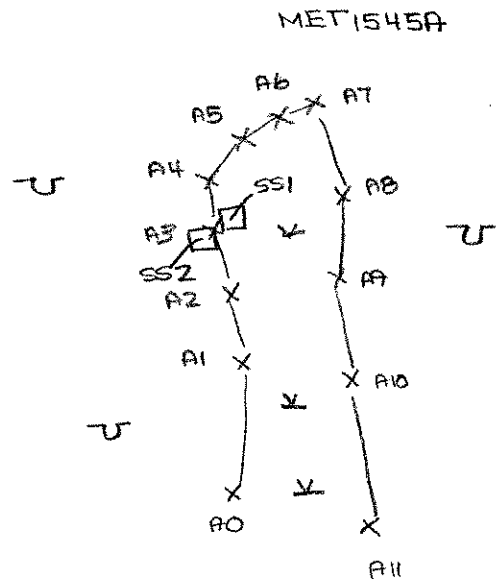
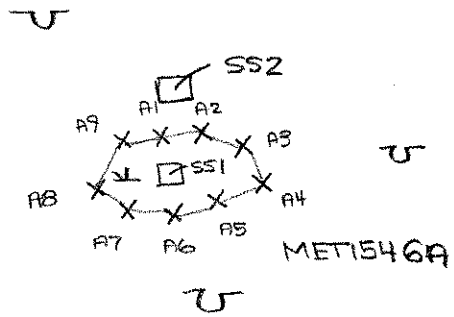
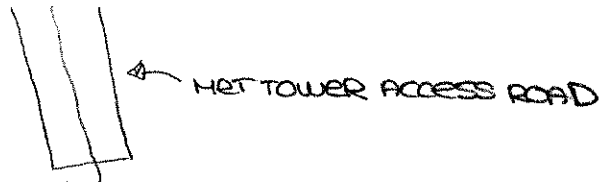
**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/3			SILT LOAM
12-18	B	10YR 4/3			SILTY CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

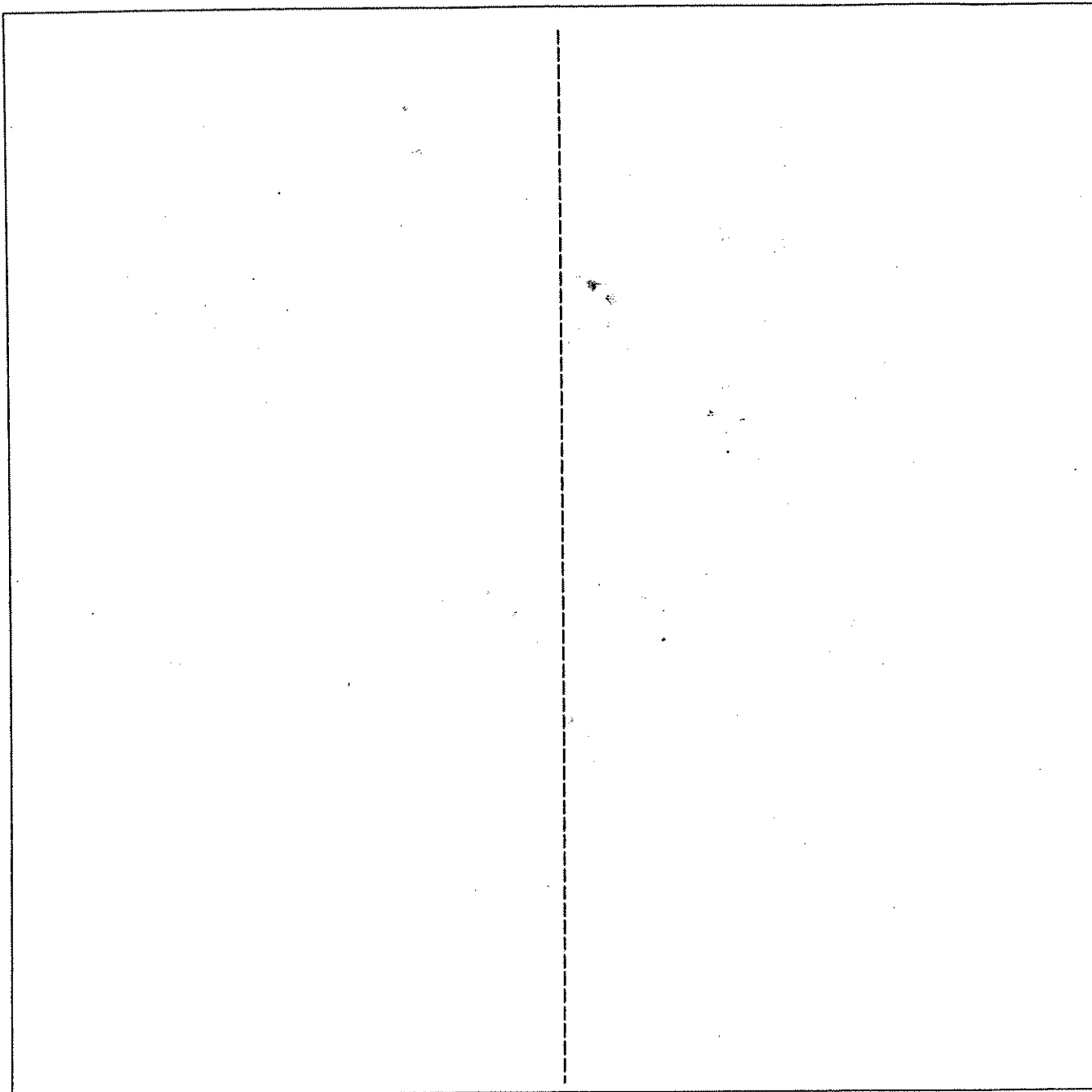
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Isolated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Remarks		









WETLAND ID/ROUTE# MET1545A, MET1546A, MET1547A	8/2/2007 DATE:
INITIALS OF DELINEATORS RJD / SSC	



SKETCH FORM

Wetland ID/Route #:	Date:	Time:
Intials of Delineators:	Location:	
Roll #:	Frames:	



<u>Legend</u>	
 Photo Location/Direction	 Wetland
 Sample Station	 Upland
 Centerline	 Stream
 Flag	 Intermittent Stream

**SKETCH FORM**

<b>Wetland ID/Route #:</b> WT657-A1B EXT MET1545-A EXT		<b>Date:</b> 8/23/2007	<b>Time:</b>
<b>Initials of Delineators:</b> RJD		<b>Location:</b> INTERCONNECT BETWEEN METTOWER AND TURBINE ST	
<b>Roll #:</b>	<b>Frames:</b>		

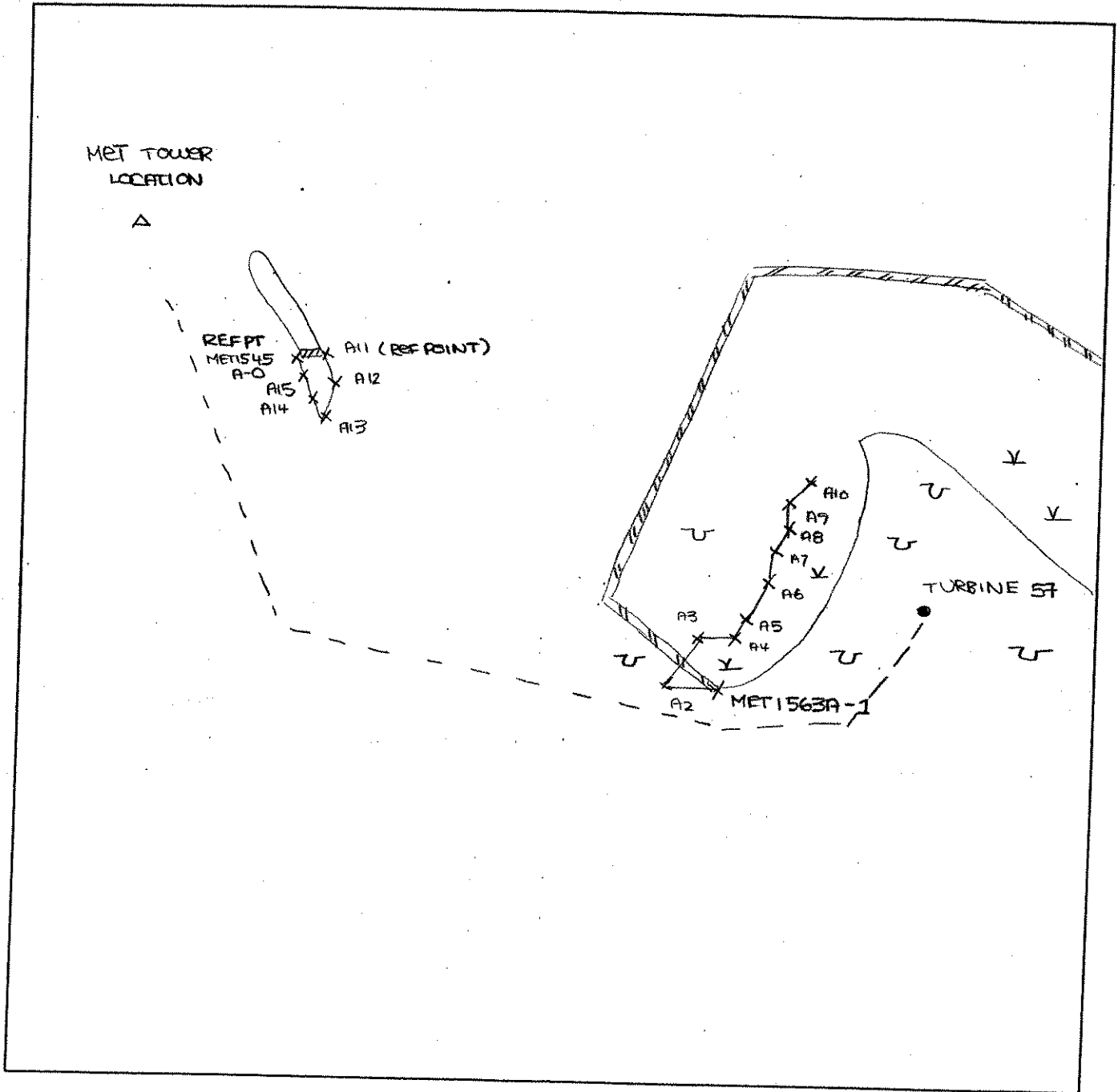


Photo Location/Direction	<b>Legend</b>	Wetland	EXISTING WETLAND CONTINUATION LINE
Sample Station		Upland	
Centerline		Stream	
Flag		Intermittent Stream	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SSC</i>	Date: <i>8/2/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>WOTUACD</i> Transect ID: Plot ID: <i>MET 1546 A-SS1</i>							

**VEGETATION**

Plant Community Classification: *PEM*

Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>CAREX SP</i>	<i>H</i>	<i>*</i>	9.		
2. <i>Cyperus SP</i>	<i>H</i>		10.		
3. <i>POD TOP</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>CAREX SCURRIA</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Polygonum Sp</i>	<i>H</i>		13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *3/5 = 60%*

Remarks: *\* PRESUMED HYDROPHILIC*

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input checked="" type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>n/a</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>10" (mid Resim)</i></p> <p>Depth to Saturated Soil (in.): <i>0"</i></p>	<p>Remarks: <i>DEPRESSIONAL AREA WITHIN A MAY BEED</i></p>

Date: 8/2/07  
 Community ID: WERANIS  
 Plot ID: MET 1548A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	AP	10YR 4/1			Silty clay / DAW
8-16	B	10YR 5/2	7.5YR 4/6	low/med/low	SANDY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	ISUWARDS Is this Sample Station Point Within a Wetland?	Yes	No	
Wetlands Hydrology Present?	Yes	No		<input checked="" type="radio"/> Yes	Yes	No
Hydric Soils Present?	Yes	No			No	Yes
Remarks ISUWARDS FEATURE w/in AN Ag field						

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARIE RIVER</u> Applicant/Owner: <u>MARIE RIVER LLC</u> Investigator: <u>ETA, SSC</u>	Date: <u>8/2/27</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>CPA (M)</u> Transect ID: <u>ME1546A</u> Plot ID: <u>SS 2</u>

**VEGETATION**

Hay field

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RATTLE CUP</u>	<u>H</u>	<u>FAC</u>	9.		
2. <u>LOW VETCH</u>	<u>H</u>	<u>UPL</u>	10.		
3. <u>DANDELION</u>	<u>H</u>	<u>FACU-</u>	11.		
4. <u>Timothy</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Grass</u>	<u>H</u>		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>1/5 = 20%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated @ <u>12"</u> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 8/2/07  
 Community ID: Uplands  
 Plot ID: MCT 1546A-SS2

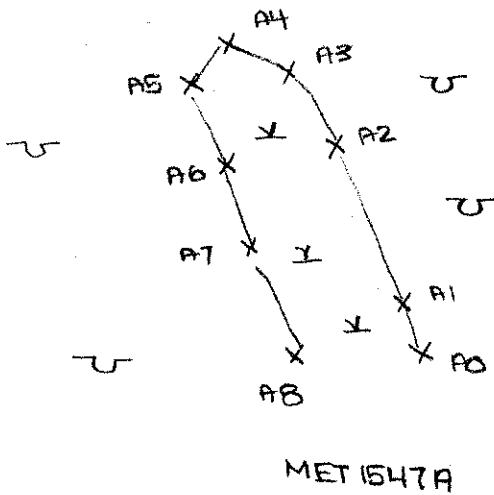
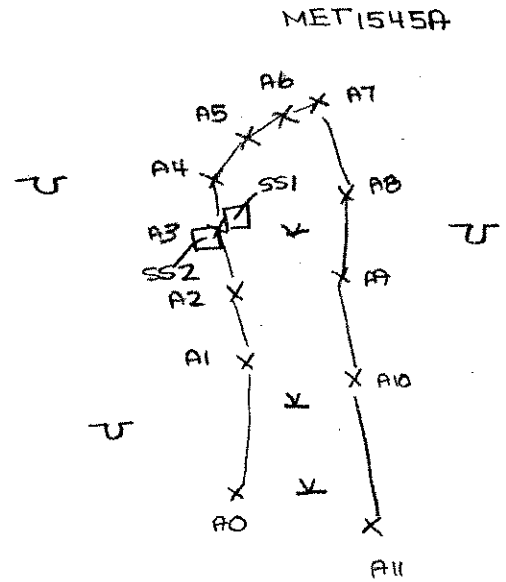
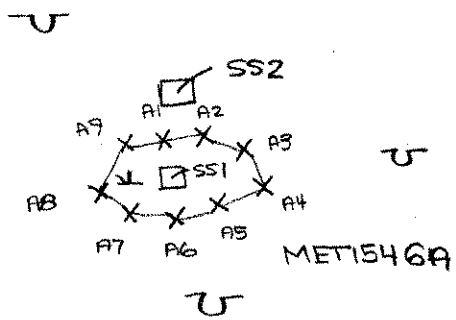
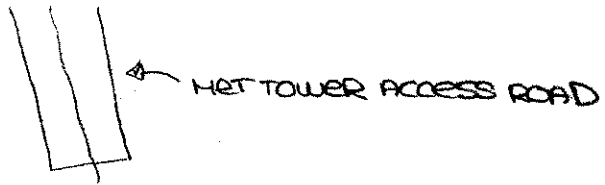
**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10 YR 3/2			SILT LOAM W/ ROOTS
6-12	A	10 YR 3/2			SILT LOAM
12-18	B	10 YR 4/2			SANDY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Isolated? Yes No	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/>		
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Remarks					

WETLAND ID/ROUTE# MET1545A, MET1546A, MET1547A	8/2/2007 DATE:
INITIALS OF DELINEATORS RJD / SSC	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBLE TRIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>ISA SSC</u>	Date: <u>8/2/07</u> County: <u>Cynth</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>W02 M1</u> Transect ID: <u>ME1548 A13</u> Plot ID: <u>SS1</u>

**VEGETATION** PCN

Plant Community Classification: <u>PCN</u> Percent Canopy Cover: Tree: <u>Ø</u> Shrub: <u>&lt; 5%</u> Herb: <u>95%</u> Vine: <u>Ø</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>REED CANARY</u>	<u>H</u>	<u>FACW+</u>	9. <u>CAREX LUPIDA</u>	<u>H</u>	<u>OBL</u>
2. <u>FEWER WEED</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>SILKY WILLOW</u>	<u>S</u>	<u>OBL</u>	11.		
4. <u>DRYAS L. TEAL-THIN?</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>RED TOP</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>JOE-PYE-WEED</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>BURDETT</u>	<u>H</u>	<u>FACW+</u>	15.		
8. <u>SOFT RUSH</u>	<u>H</u>	<u>FACW+</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>9/9 = 100%</u>					
Remarks: <u>LEMAA in H2O (H)</u> <u>WATER PANTAIN (H)</u> <u>WILLOW HERB (H)</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated at SURFACE <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>6"</u> Depth to Saturated Soil (in.): <u>SURFACE - 0"</u>	
Remarks:	

Date: 8/2/2007  
 Community ID: WETLAND  
 Plot ID: MET1548A/B

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/1			SILTY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSAL OF AUGER @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Isolated? Yes	<input checked="" type="radio"/> No	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland?		
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	<input checked="" type="radio"/> Yes	No	
Remarks					

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>MARIE RIVER</i> Applicant/Owner: <i>MARIE RIVER LLC</i> Investigator: <i>BAJ SSC</i>	Date: <i>8/2/07</i> County: <i>CLINTON</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>CPLA15</i> Transect ID: <i>MET 1548 A11</i> Plot ID: <i>SS2</i>

**VEGETATION**

*Hay field*

Plant Community Classification: _____ Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TIMOTHY GRASS</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>GRASS</i>	<i>H</i>		10.		
3. <i>ORCHARD GRASS</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>GR. BUREDOCK</i>	<i>H</i>	<i>UPL</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks: _____					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks: _____	



Date: 8/2/07  
 Community ID: Uplands  
 Plot ID:

MET 1548 A/B-SSQ

**SOILS**

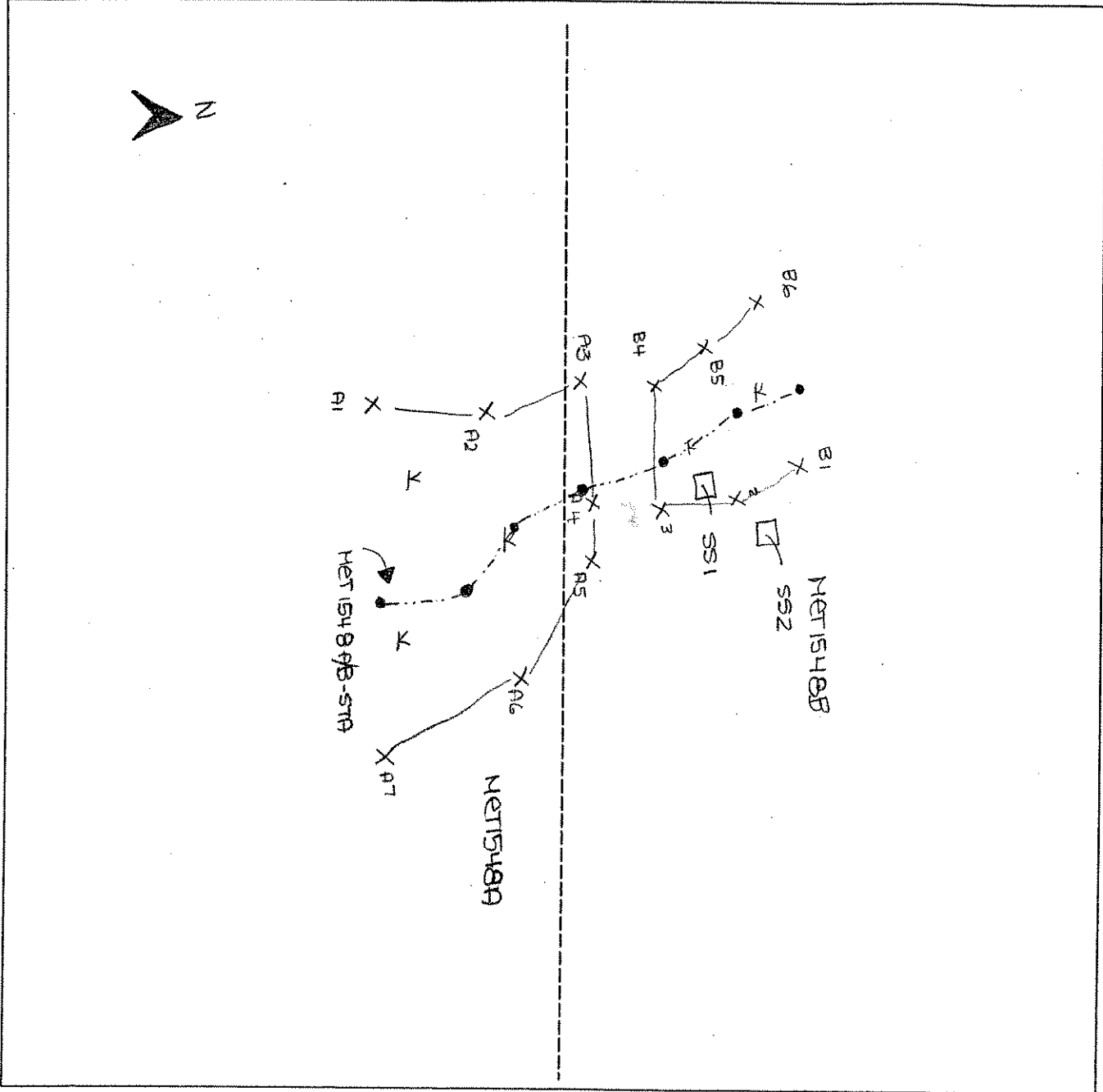
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			Silt, clay loam
12-18	B	10YR 5/3			GRAVELLY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Isolated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		

**SKETCH FORM**

Wetland ID/Route #: MET1548A, MET1548B		Date: 8/2/2007	Time:
Initials of Delineators: RJD / SSC		Location:	
Roll #:	Frames:		



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream


**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>PAV SSC</u>	Date: <u>8/3/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>WETLANDS</u> Transect ID: <u>MOT1549 A</u> Plot ID: <u>SS1</u>

**VEGETATION** PEM

Plant Community Classification: _____					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SOFT RUSH</u>	<u>H</u>	<u>FACW+</u>	9.		
2. <u>(WAX) GRAM</u>	<u>H</u>	<u>FACW+</u>	10.		
3. <u>NARROW-LEAVED G. RUD</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>MARSH CUCURBIT</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>POPPY RUSH</u>	<u>H</u>	<u>FAC-</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/5 = 80%</u>					
Remarks: <u>few cattails</u>					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>n/a</u>          Depth to Free Standing Water in Pit (in.): <u>n/a</u>          Depth to Saturated Soil (in.): <u>n/a</u></p>	
<p>Remarks: <u>DEPRESSIONAL AREA in corner of Hay field</u>  <u>Drainage from NORTH-EAST</u></p> 	

Date: 8/3/07  
 Community ID: WETLANDS  
 Plot ID:  
 MET 154A-SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/1	—	—	Silty Clay (AAw)
6-18	B	10YR 4/2	10YR 4/4	Common / faint	Clay (AAw)
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland?		
Hydric Soils Present?	Yes	No	Yes	No	
Remarks  low Quality - Hay fields					

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>MARBLE RIVER</i>	Date: <i>8/3/07</i>
Applicant/Owner: <i>MARBLE RIVER LLC</i>	County: <i>Clinton</i>
Investigator: <i>RTA SSC</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>UPL/Am</i> Transect ID: <i>METS 49A</i> Plot ID: <i>552</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** *HAY FIELD*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <input checked="" type="checkbox"/>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Timothy grass</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>ORCHARD grass</i>	<i>H</i>	<i>FACU</i>	10.		
3. <i>Cow Vetch</i>	<i>H</i>	<i>UPL</i>	11.		
4. <i>Late Dandelion</i>	<i>H</i>	<i>UPL</i>	12.		
5. <i>B. Trillium</i>	<i>H</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>45 = 20%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 8/3/07  
 Community ID: UPLANDS  
 Plot ID:  
 MET 1549A-SS2

**SOILS**

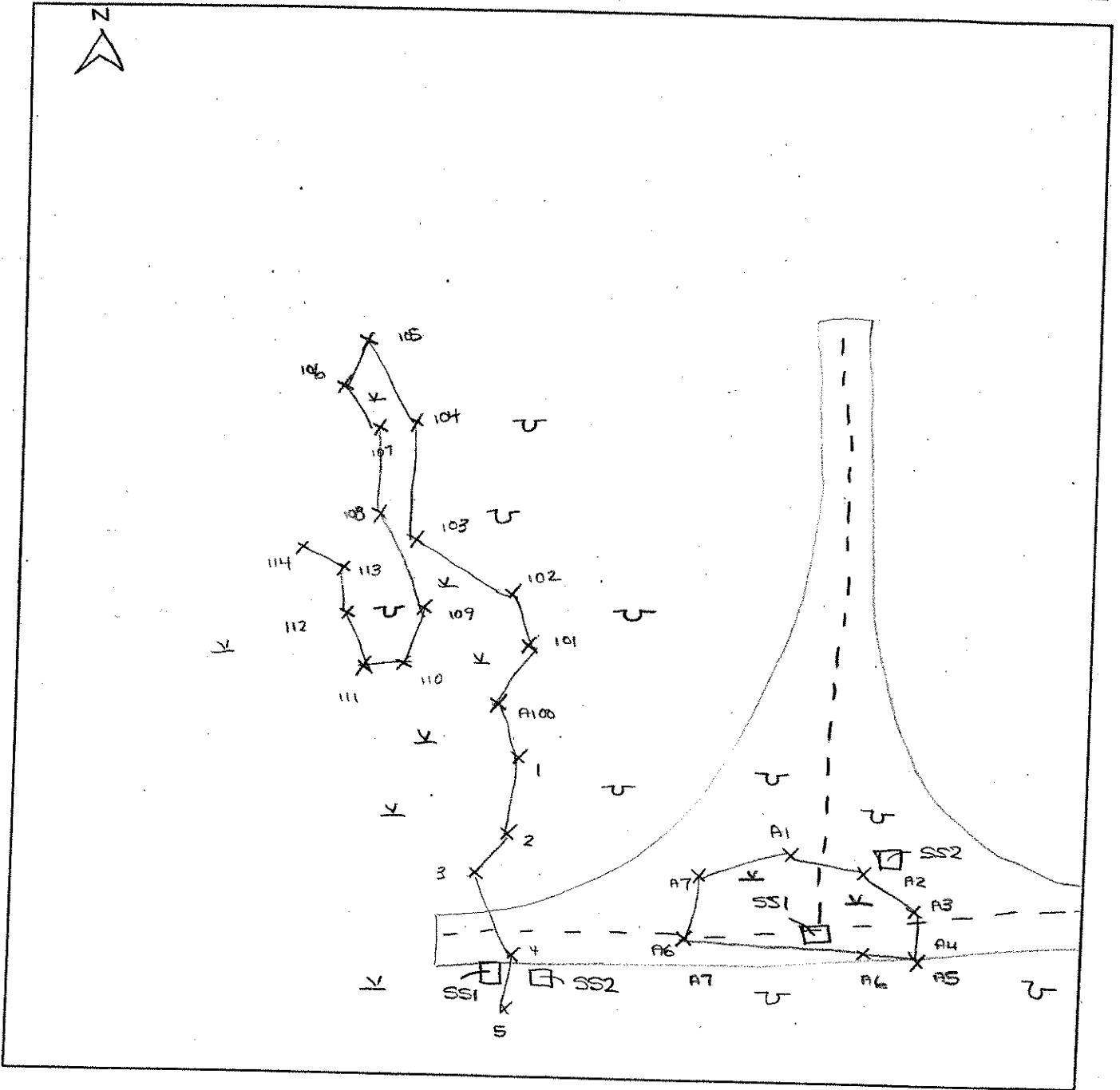
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/3	—		SIF 10AW
10-18	B	10YR 3/2	—		SIF CLAY 10AW
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No		
Hydric Soils Present?	Yes	No			
Remarks					

### SKETCH FORM

<b>Wetland ID/Route #:</b> NET1549A , NET1550A	<b>Date:</b> 8/3/2007	<b>Time:</b>
<b>Intials of Delineators:</b> RTD / SSC	<b>Location:</b>	
<b>Roll #:</b>	<b>Frames:</b>	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: MARBLE RIVER WIND FARM Applicant/Owner: MARBLE RIVER, LLC Investigator: RID / SSC	Date: 8/31/2007 County: CLINTON State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No
Community ID: WETLAND Transect ID: MET1550A Plot ID: SS1	

**VEGETATION**

PFO1/PSS/PEN includes skidder trail <sup>PEN dominated</sup>

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Green Ash	T/S	FACW	9.		
2. Alder (speckled)	S	FACW+	10.		
3. N. white cedar	T	FACW	11.		
4. Flat Top Alder	H	FACW	12.		
5. Sensitive fern	H	FACW	13.		
6. Green Bullrush	H	OBL	14.		
7. RUBUS SP.	S		15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/7 = 86%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): N/A  Depth to Saturated Soil (in.): 0" SURFACE	
Remarks:	



Date: 8/31/2007  
 Community ID: WETLAND  
 Plot ID: MET50A-SS1

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/1			SILT LOAM
10-18	B	10YR 4/3			CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Isolated? Yes No <i>undetermined</i>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Remarks			
Skinner trail between flags 2 & 3			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: MARBLE RIVER WIND FARM Applicant/Owner: MARBLE RIVER, LLC Investigator: RJD / SSC	Date: 8/3/2007 County: CLINTON State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: NEN550A Plot ID: S2

**VEGETATION**

UPLAND DECIDUOUS

Plant Community Classification:					
Percent Canopy Cover: Tree: 30% Shrub: 50 Herb: 90 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ST. JOHNS WORT (HYPERICUM sp)	H		9.		
2. ACER SPECCHARUM	T, H	FACU-	10.		
3. BRAMBLES	S	FAC-	11.		
4. POPULUS TRAMULOIDES	S	FACU	12.		
5. SOLIDAGO ROSOSA	H	FAC	13.		
6. CROCIEA SENSIBILIS	H	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/7 = 29%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): N/A  Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 8/21/2007  
 Community ID: UPLAND  
 Plot ID: NET1550A-SS2

**SOILS**

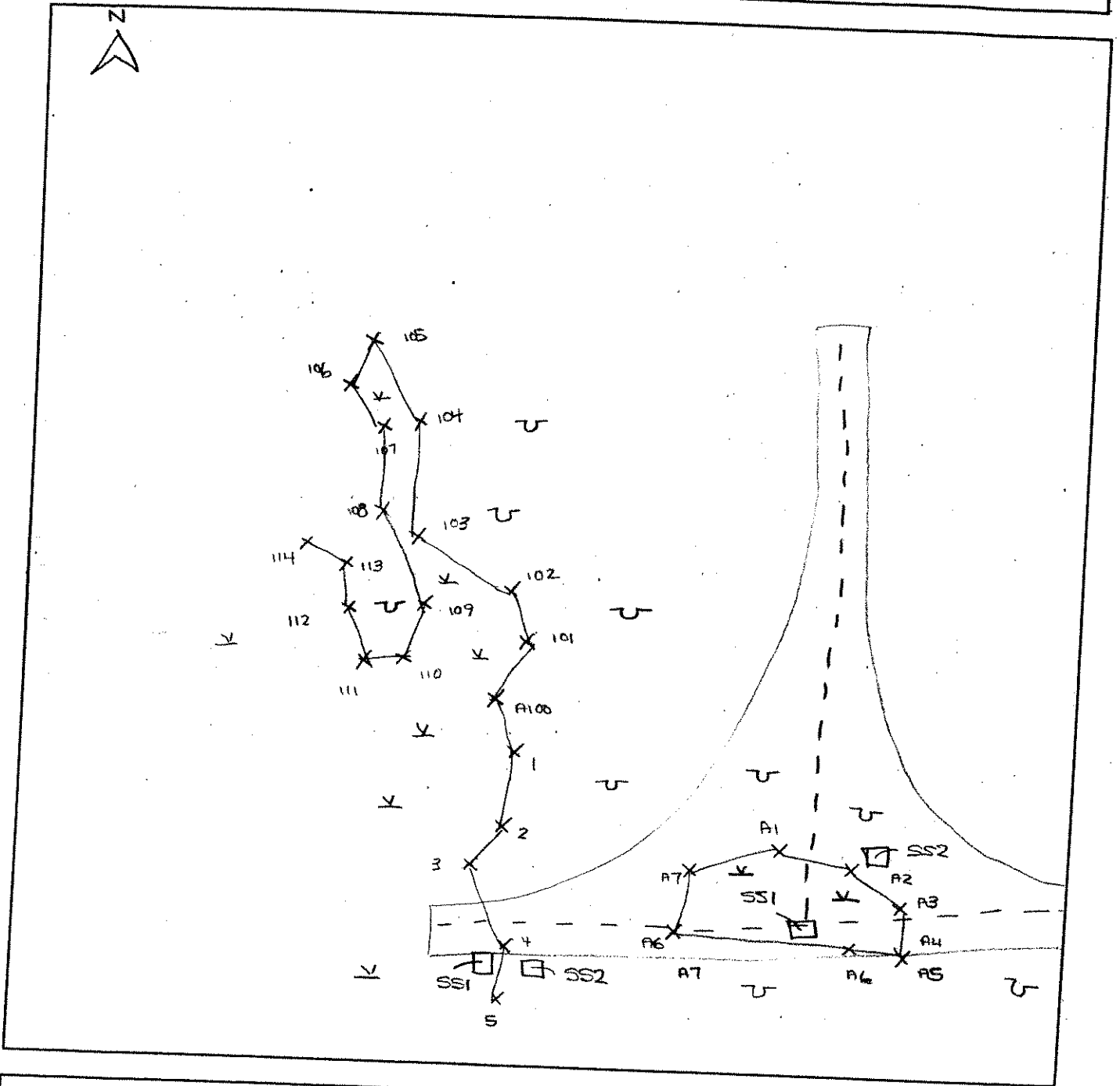
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2			LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: 0-8" STONY SOILS REVERSAL OF AUGUR @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Isolated? Yes No	
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks			

### SKETCH FORM

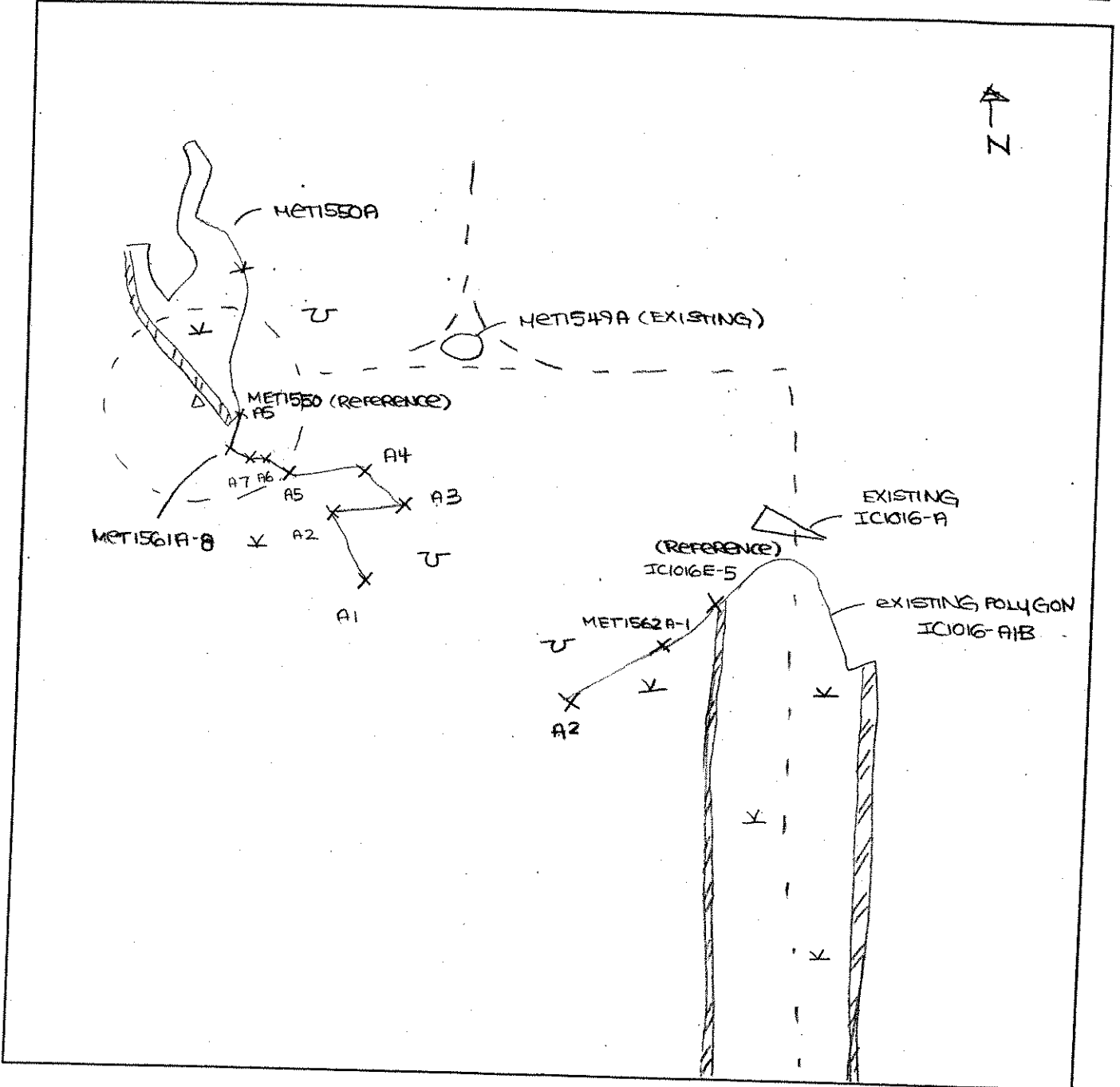
<b>Wetland ID/Route #:</b> NET1549A , NET1550A	<b>Date:</b> 8/3/2007	<b>Time:</b>
<b>Intials of Delineators:</b> RTD / SSC	<b>Location:</b>	
<b>Roll #:</b> <b>Frames:</b>		



Legend	
○ ↙	Photo Location/Direction
□	Sample Station
---	Centerline
▽	Flag
K	Wetland
~	Upland
	Stream
- - -	Intermittent Stream

### SKETCH FORM

<b>Wetland ID/Route #:</b> MET1550-A EXT IC1016-A/B EXT	<b>Date:</b> 8/23/2007 <b>Time:</b>
<b>Initials of Delinators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<b>Legend</b>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream
			EXISTING WETLAND CONTINUATION LINES

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: MARBLE RIVER WIND FARM Applicant/Owner: MARBLE RIVER LLC Investigator: RJP / SSC	Date: 8/31/2007 County: CLINTON State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: MET 1551 A/B Plot ID: SS2

**VEGETATION**

Plant Community Classification: EARLY SUCCESSIONAL Percent Canopy Cover: Tree: 20 Shrub: 20 Herb: 95 Vine: 4					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. POLYGONUM SPICATUM	H	OBL	9.		
2. GREAT BURDOCK	H	UPL	10.		
3. IMPATIENS CAPENSIS	H	FACW	11.		
4. TIMOTHY	H	FACU	12.		
5. HEAL ALL	H	FACU+	13.		
6. WILLOW HERB	H	OBL	14.		
7. ACER SACCHARUM	T	FACU-	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/7 = 43%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 8/3/2007  
 Community ID: UPLAND  
 Plot ID: MET551 A/B-SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR3/2			SILTY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: REFUSAL OF AUGER @ 10"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Isolated? Yes No	
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: MARBLE RIVER WIND FARM Applicant/Owner: MARBLE RIVER, LLC Investigator: RTD / SSC	Date: 8/3/2007 County: CLINTON State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: MET1551 A-B Plot ID: 551

**VEGETATION PEM**

Plant Community Classification:  
Percent Canopy Cover: Tree:  Shrub:  Herb: 100 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. EUPATORIUM MACULATUM	H	FACW	9. ARROWLEAF TRARHUMB	H	OBL
2. IMPATIENS CAPENSIS	H	FACW	10. CAREX VULPINOIDEA	H	OBL
3. TYPHA LATIFOLIA	H	OBL	11. NARROW LEAFS QUILKED	H	FAC
4. SCIRPUS ATROVIRENS	H	OBL	12. TURK HEAD	H	OBL
5. LYTHRUM SALICARIA	H	FACW+	13. REDS GRASS GRASS	H	FACW+
6. ONOCLEA SENSIBILIS	H	FACW	14.		
7. JUNCUS EFFUSUS	H	FACW+	15.		
8. EUPATORIUM REFOILLATUM	H	FACW+	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%.

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): MOIST SOILS AT SURFACE	
Remarks: ASSOCIATED W/ ROADSIDE DITCH HOOFPRIENTS PRESENT MOIST SOILS	



Date: 8/31/2007  
 Community ID: WETLAND  
 Plot ID: MET1551 A/B-SS1

**SOILS**

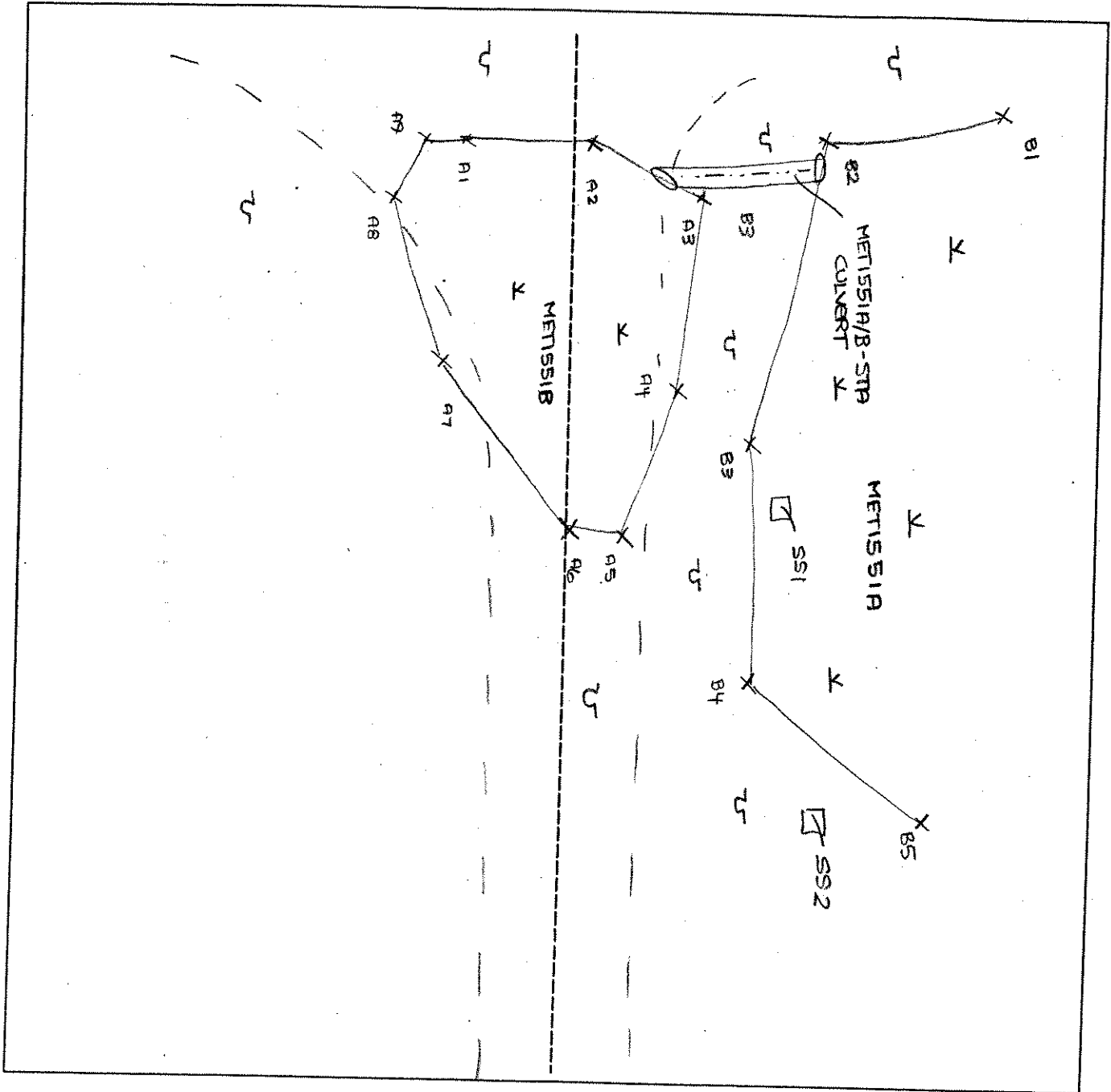
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/1			SILTY CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSAL OF AUGUR @ 12" STONY SOILS					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Isolated? Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

### SKETCH FORM

<b>Wetland ID/Route #:</b> MET1551 A, MET1551B	<b>Date:</b> 8/3/2007	<b>Time:</b>
<b>Initials of Delineators:</b> RJD / SSC	<b>Location:</b>	
<b>Roll #:</b>	<b>Frames:</b>	

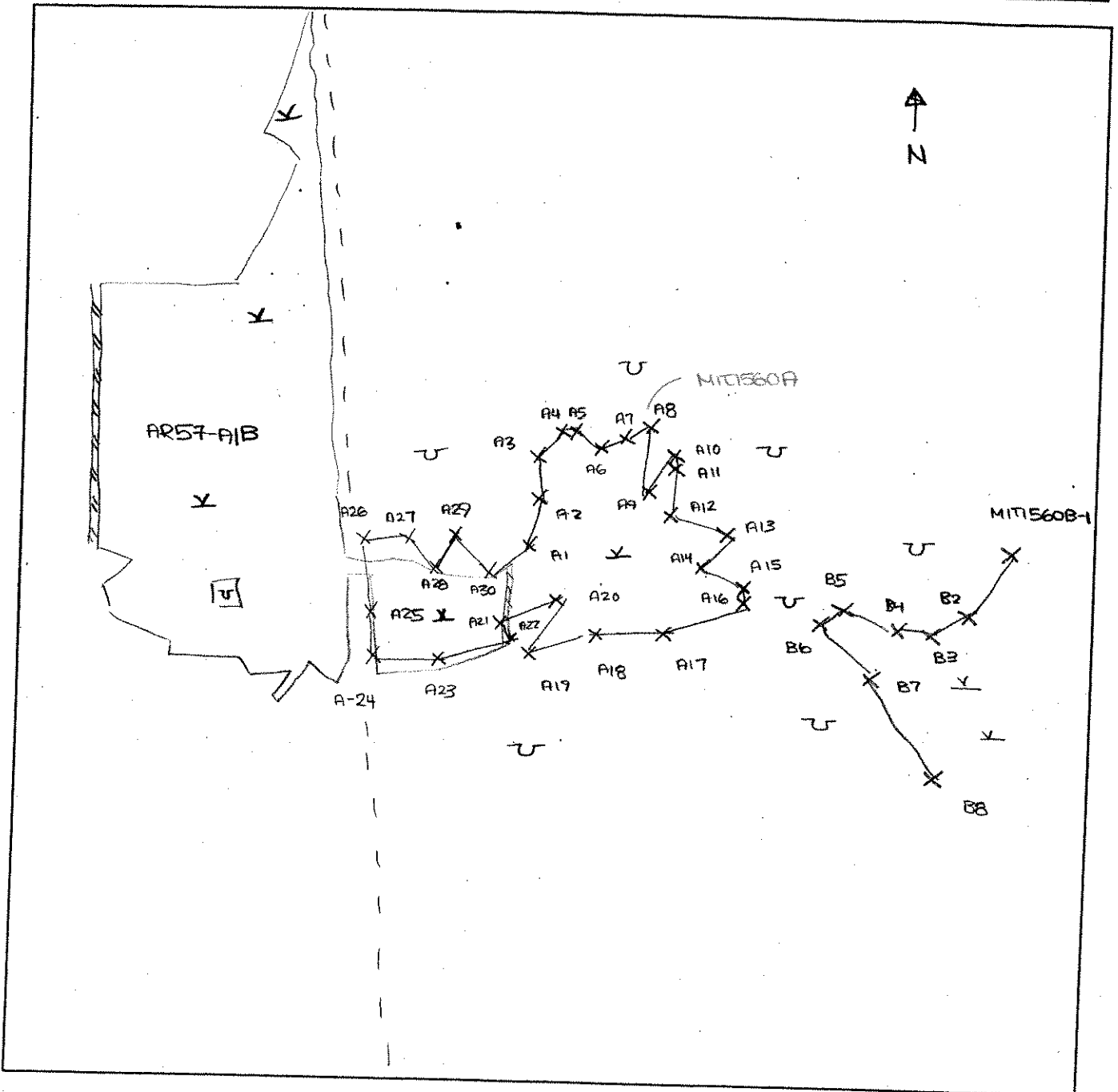


<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

MIT1560A

SKETCH FORM

Wetland ID/Route #: MIT1560B-1 AR57-A1B EXT		Date: 8/23/2007	Time:
Initials of Delineators: RJD		Location: SOLIDA ROAD MITIGATION AREA	
Roll #:	Frames:		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO/EB</u>	Date: <u>9-6-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>OH 110-A-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>10</u> Herb: <u>75</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Sugar maple</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Pinus strobus</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Quercus sensibilib</u>	<u>H</u>	<u>FACW</u>	12.		
→ 5. <u>Osmunda cinnamomea</u>	<u>U</u>	<u>FACW</u>	13.		
6. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>83%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>8"</u>	
Remarks:	

Date: 9-6-06  
 Community ID: wetland  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/1	7.5 YR 3/3	5% med	Sandy loam
12-15	B	7.5 YR 4/1	7.5 YR 3/3	75%	silt loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 9-6-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.) <span style="font-size: 1.5em; margin-left: 100px;">BQ/IB</span>	Community ID: Upland Transect ID: Plot ID: OH1110-A-352

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 60 Shrub: 30 Herb: 45 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sweet wood	T	FACU-	9.		
2. <i>Olus rubra</i>	T	FAC	10.		
3. <i>Corylus cornuta</i>	SH	FACU-	11.		
4. <i>Prunus americana</i>	SH	FACU	12.		
5. Lady fern	U	FAC	13.		
6. <i>Dryopteris spinulosa</i>	U	FAC+	14.		
7. <i>Urtica dioica</i>	SH	FAC-	15.		
8. Jewelweed	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 62%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <span style="float:right;">none</span> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): none  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-6-06  
 Community ID: upland  
 Plot ID:

OH 1110-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/5	none	none	sandy loam
3-6	Bw	10YR 3/3	none	none	sandy loam
6-8	Bug	10YR 4/4	none	none	sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Other (Explain in Remarks)

Remarks:

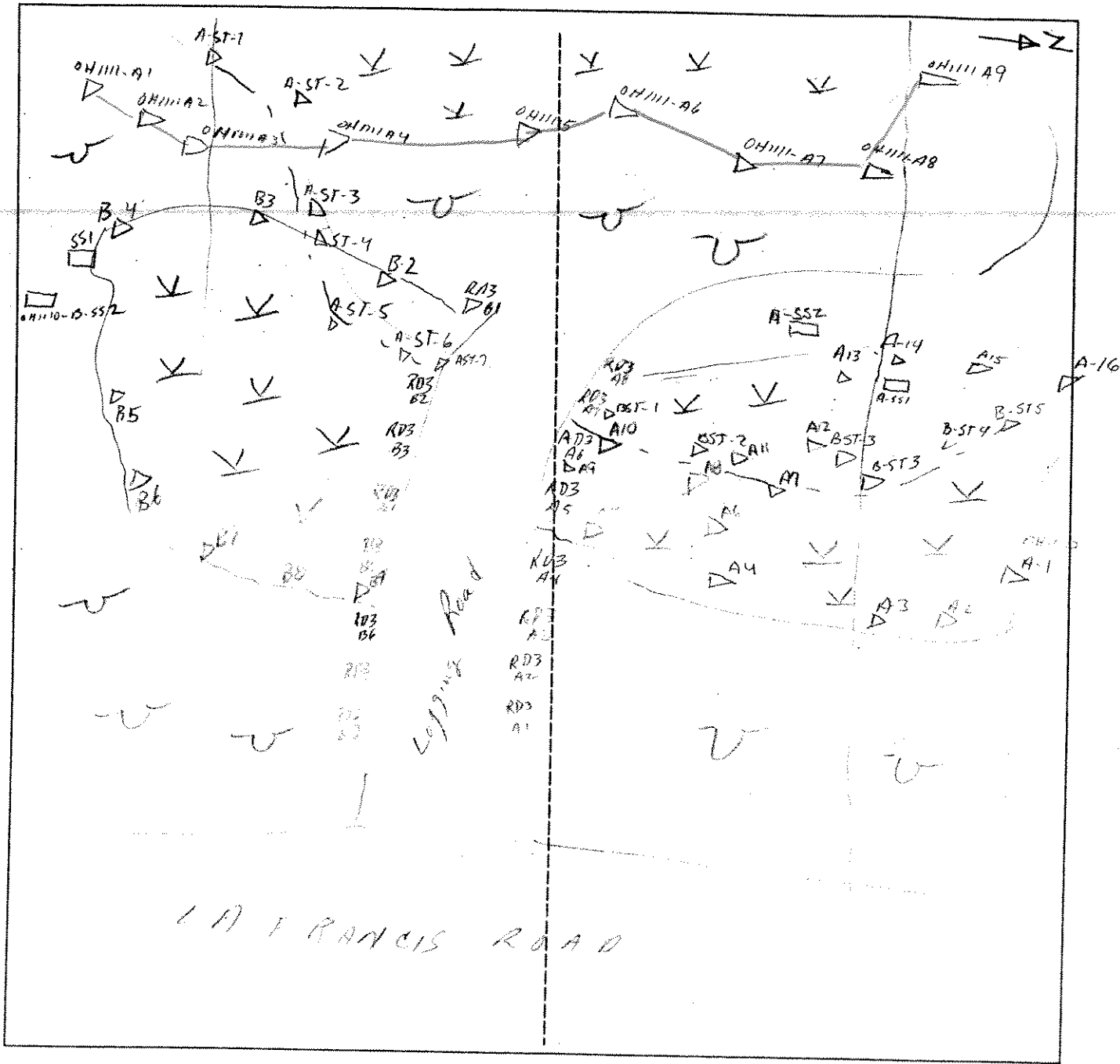
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>OH110</b>	Date: <b>09/06</b>	Time: <b>12:00 pm</b>
Initials of Delineators:	Location: <b>overhead from La Frances Road to WTG #49</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BL</i>	Date: <i>9-11-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>IC 1123-13-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>—</i>	Shrub: <i>65</i>	Herb: <i>95</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Spiraea latifolia</i>	SH	FAC+	9.		
2. <i>Alnus incana</i>	SH	FACW+	10.		
3. <i>Salix sp.</i>	SH	OBL	11.		
4. <i>Glyceria inaequalis</i>	H	OBL	12.		
5. <i>Sphagnum</i>	H	OBL	13.		
6. <i>Carex crinita</i>	H	OBL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <span style="float:right"><i>100%</i></span>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>0-4"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>surface</i>	
Remarks:	

Date: 9-11-06  
 Community ID:  
 Plot ID:  
 IC 1123-13-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18"	O <sub>e</sub>	7.5 YR 3/4	—	—	Muck/Peat

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>9-11-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 1123-B-550</i>

*Gravel Road - NO Veg.*

**VEGETATION**

Plant Community Classification:

Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: *Plot is in maintained gravel Road ~ 25' above wetland.*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <i>none</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>none</i>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-11-06  
 Community ID:  
 Plot ID: IC 1103-B-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_  
 Drainage Class: \_\_\_\_\_  
 Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	C	10YR 5/4	—	—	gravel / coarse

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<i>none</i>	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime		<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions		<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)

Remarks: - compact gravel fill, no redox

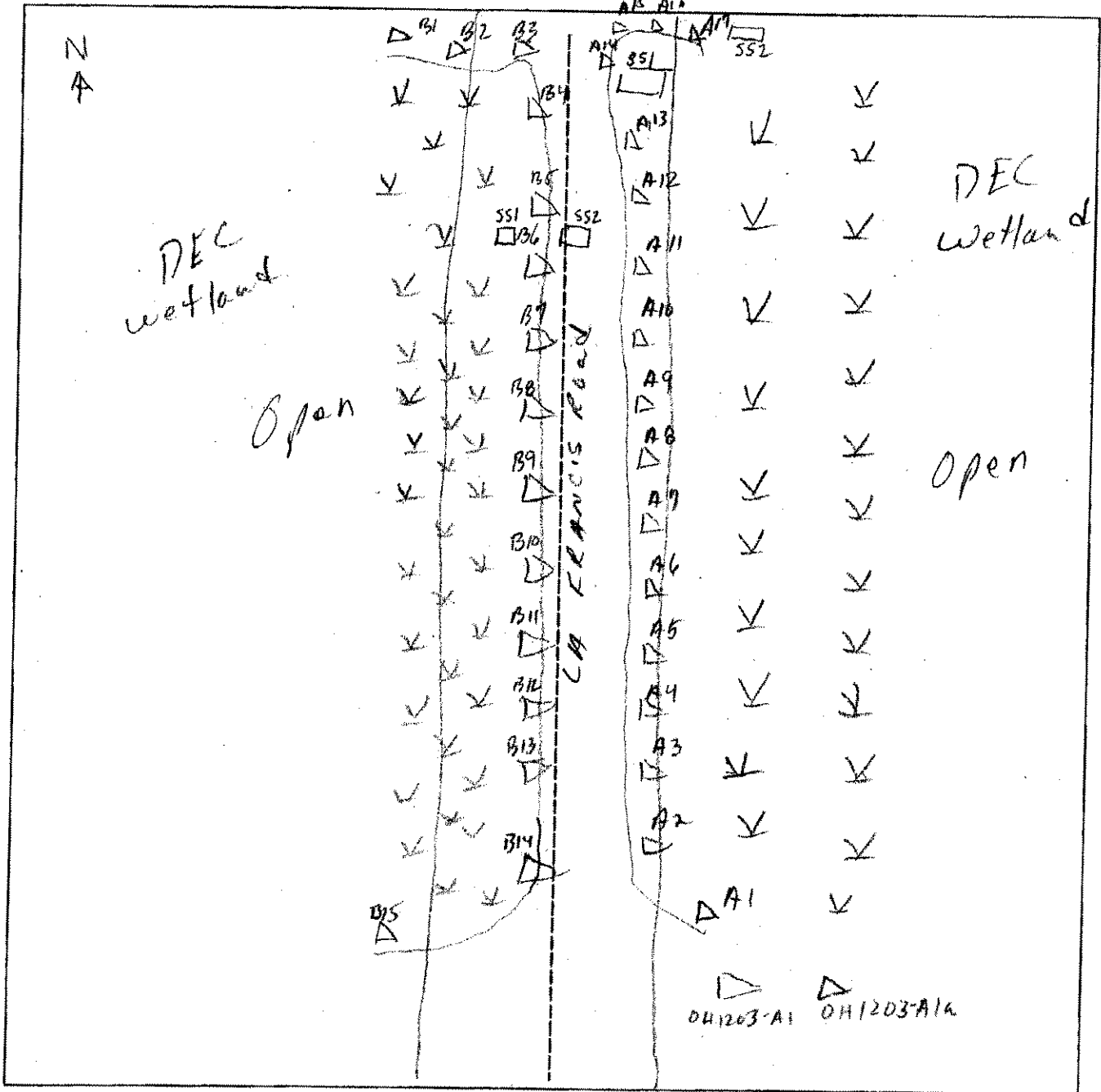
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: IC1123 - Complete		Date: 09/11	Time: 8:30am
Initials of Delineators: TR/BQ		Location: TRANSMISSION LINE Interconnect - LaFrancis Road to WTC #209	
Roll #:	Frames:		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-6-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>OH 1110 B 551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>65</u>	Shrub: <u>25</u>	Herb: <u>25</u>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Ladyfern (A. rhizophora)</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Sphagnum</u>	<u>H</u>	<u>OBC</u>	12.		
5. <u>Sparganium</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Aster acuminatus</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Red maple</u>	<u>TH</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>86%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-6-06  
 Community ID: wetland  
 Plot ID: OH 1110-B-551

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-10	A	10YR 2/1	7.5YR 3/7	2%	FSL
10-18"	Bw	7.5YR 4/1	7.5YR 3/3	75%	silty loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>9-6-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>wetland</u> Transect ID: <u>0</u> Plot ID: <u>OH1110-B-552</u>							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>35</u> Herb: <u>20</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar maple	T	FACU	9.		
2. W. ash	T	FACU	10.		
3. Lady fern	H	FAC	11.		
4. Horsetail	SH	FACU	12.		
5. Sugar maple	SH	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>20%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>None</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	<u>None</u>
Remarks:	



Date: 9-6-06  
 Community ID: upland  
 Plot ID: OH 110-B-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-2	A	10YR 2/1	None		Sandy loam
2-6	Bw	10YR 3/2	None		Sandy loam
6-10	Bw2	10YR 3/6	None		sl

**Hydro Soil Indicators**

None

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

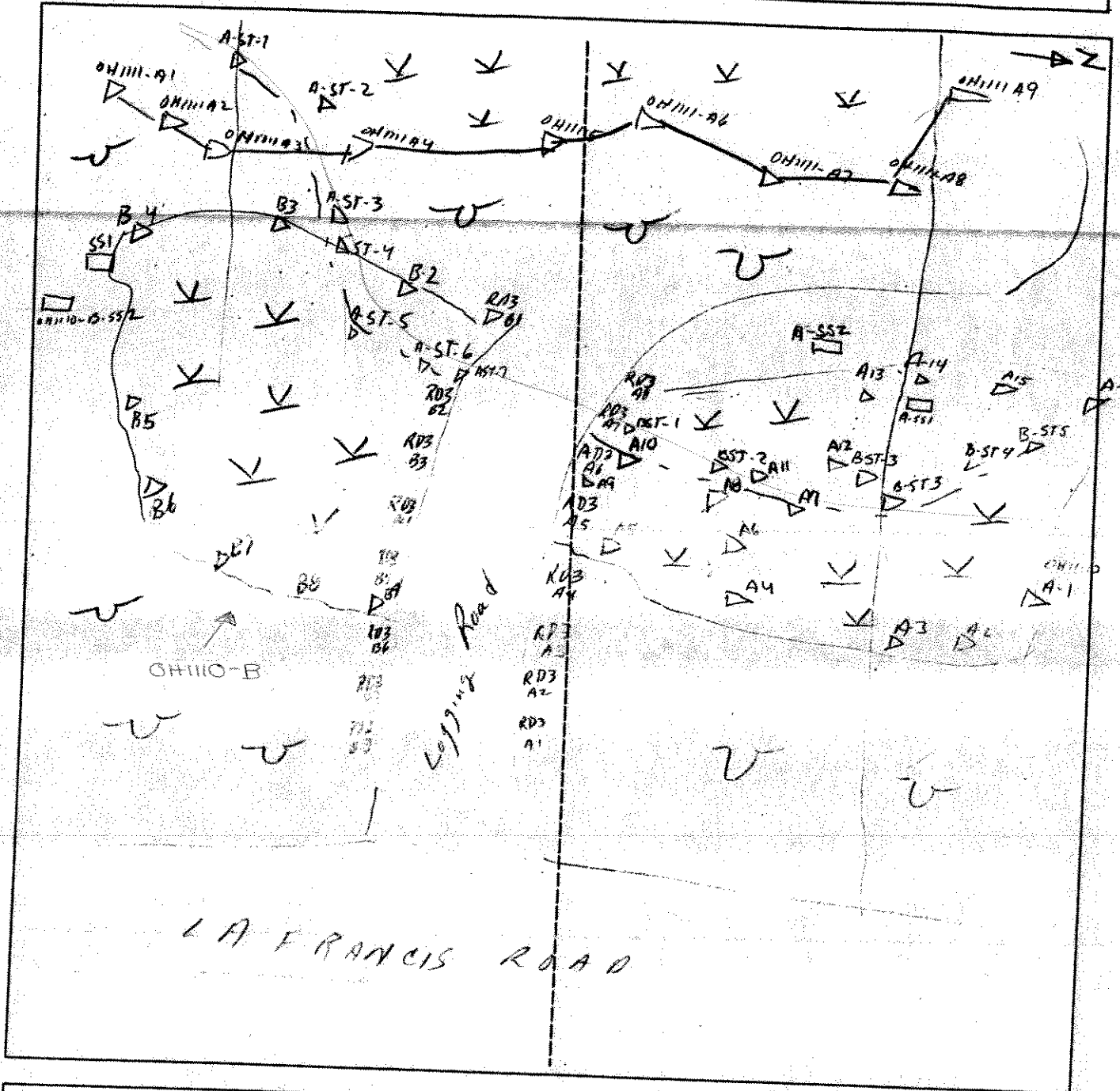
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: 0H1110	Date: 09/06	Time: 12:00 pm
Initials of Delineators:	Location: overhead from La Frances Road to WTC #47	
Roll #: Frames:		



**Legend**

	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ/IB</u>	Date: <u>9-6-06</u> County: Clinton State: NY															
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;">No</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="padding-left: 10px;">Logging</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;">No</td> <td style="text-align: center;"><input type="radio"/></td> <td style="padding-left: 10px;">see</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;">No</td> <td style="text-align: center;"><input type="radio"/></td> <td style="padding-left: 10px;">Remarks</td> </tr> </table>	Yes	<input type="radio"/>	No	<input checked="" type="radio"/>	Logging	Yes	<input checked="" type="radio"/>	No	<input type="radio"/>	see	Yes	<input checked="" type="radio"/>	No	<input type="radio"/>	Remarks
Yes	<input type="radio"/>	No	<input checked="" type="radio"/>	Logging												
Yes	<input checked="" type="radio"/>	No	<input type="radio"/>	see												
Yes	<input checked="" type="radio"/>	No	<input type="radio"/>	Remarks												
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>OH111-A-591</u>																

(Shows OH1110-A-552)

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2. <u>Carex lucida</u>	H	OBL	10.		
3. <u>Carex scoparia</u>	H	FACW	11.		
4. <u>Juncus effusus</u>	H	FACW	12.		
5. <u>Glyceria caudensis</u>	H	OBL	13.		
6. <u>W. Bonset (E. leucodes)</u>	H	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: - area is logging yarding area, veg heavily disturbed in - ad. undisturbed veg is wet forest - recovered herbaceous in disturbed area is wet					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>8"</u>	
Remarks: - ditch at edge of logging yard area appears constructed to direct flow around operations - may have made <sup>wetland</sup> area drier but hydro still evident	

Date: 9-6-06  
 Community ID: wetland  
 Plot ID: OH 1111-A-551  
 (Share OH 1110-A-552)

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A/B	10YR 2/1	7.5YR 3/3	75%	
		10YR 5/1	10YR 4/6		
10-18"	C	2.5Y 6/2	2.5Y 5/6	75%	

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: - A/B disturbed/mixed but with clear hydric soil indicators  
 - undisturbed adj soil is hydric

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

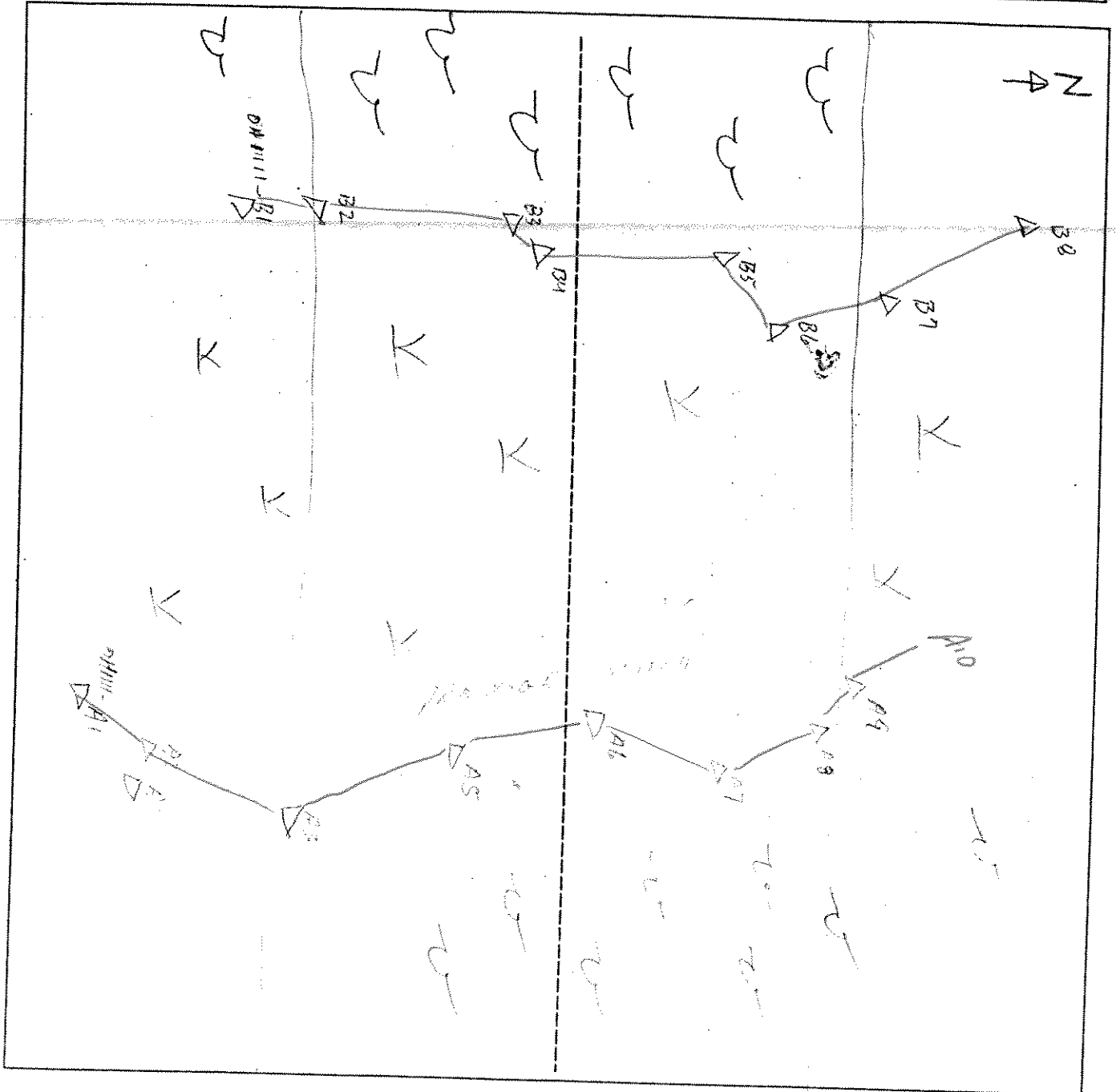
Yes  No  
 Yes  No  
 Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks: - once disturbed but veg = wet and adj. undisturbed veg = wet  
 - hydrology alterations may have made area drier but hydrology is still visible  
 - Soils have not been disturbed below 10"

### SKETCH FORM

<b>Wetland ID/Route #:</b> <span style="font-family: cursive;">OH1111</span>	<b>Date:</b> _____ <b>Time:</b> _____
<b>Initials of Delineators:</b> _____	<b>Location:</b> <span style="font-family: cursive;">OVERHEAD FLUM LA FRANCIS ROAD TO LOT 6 H47</span>
<b>Roll #:</b> _____ <b>Frames:</b> _____	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BE</u>	Date: <u>9-6-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>wetland</u> Transect ID: Plot ID: <u>OH 1112-A-551</u>							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>35</u> Herb: <u>85</u> Vine: <u>1</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Viburnum cassinoides</u>	<u>S/H</u>	<u>FACW</u>	10.		
3. <u>Acer rubrum</u>	<u>S/H</u>	<u>FAC</u>	11.		
4. <u>Rubus toxicoides</u>	<u>V</u>	<u>FACW</u>	12.		
5. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-6-06  
 Community ID: Wetland  
 Plot ID:

OH 112-4-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
2-0	O <sub>i</sub>	7.5YR 7.5/3	—	—	peat / dec. leaves
0-2	A	10YR 2/1	7.5YR 3/3	2%	sandy loam
2-8	B	2.5Y 4/1	2.5Y 6/1	5% med	sandy loam
8-12	C	2.5Y 6/2	10YR 5/6	75% large	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-6-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>OH 112-A-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>30</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Pinus serotina</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Populus tremula</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Vaccinium angustifolium</u>	<u>SH</u>	<u>FACU</u>	13.		
6. <u>Cornus canadensis</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <span style="margin-left: 50px;"><u>None</u></span> <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



Date: 9-6-06  
 Community ID: Upland  
 Plot ID:  
 DH 117-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-0	O <sub>i</sub>	7.5YR 2.5/3	—	none	
0-4	A	10YR 2/1	—	none	Sandy loam
4-5	E	7.5YR 3/2	—	none	
5-10	B <sub>g</sub>	7.5YR 4/6	—	none	↓

Hydro Soil Indicators *none*

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

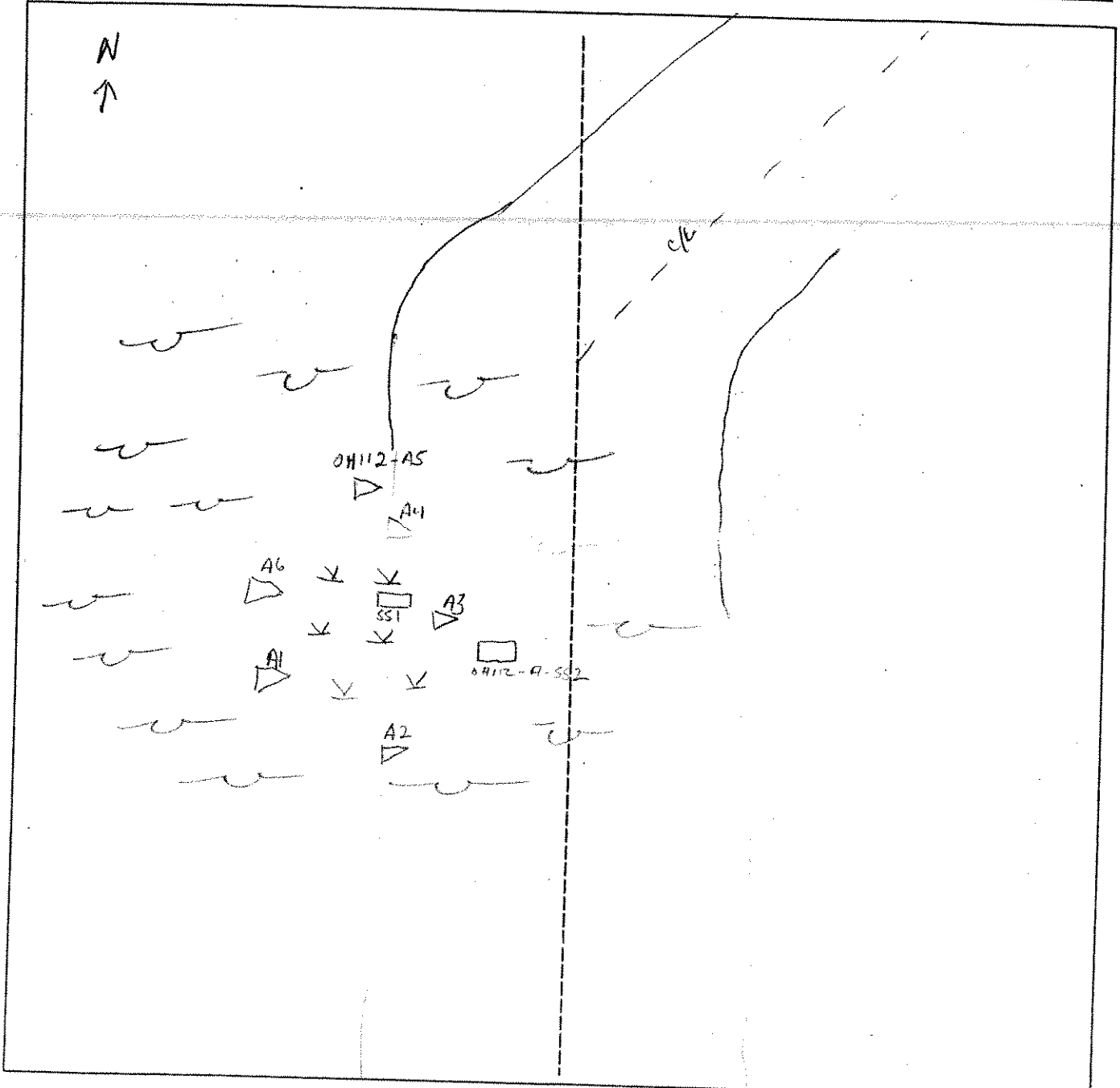
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/> No	
Hydric Soils Present?	Yes	<input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <i>OH112</i>	Date: <i>09/06/06</i>	Time: <i>2:50 pm</i>
Initials of Delineators:	Location: <i>OVERHEAD From LaFrancis to WTB #47</i>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-6-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>OH 1113-A/B-SS1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>30</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula papyrifera</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Viburnum cassinoides</u>	<u>SH</u>	<u>FACW</u>	12.		
5. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Aster acuminatus</u>	<u>H</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>83%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>3"</u>	
Remarks:	

Date: 9-6-06  
 Community ID: wetland  
 Plot ID:

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	7.5Y 3/3	2% small	sandy loam
8-10	Bw	2.5Y 5/1	7.5Y 4/4	75% med	sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

extremely stony @ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>7-6-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>OH 113-AB-55</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>35</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Prunus serotina</i>	T	FACU	10.		
3. <i>Acer glabrum</i>	SH	FAC	11.		
4. <i>Corylus cornuta</i>	SH	FACU	12.		
5. <i>Brachea cernua</i>	H	FACU	13.		
6. <i>Hamamelis virginica</i>	H	UDL	14.		
7. <i>Saxifraga</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>29%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <i>lowe</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>lowe</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-6-06  
 Community ID: upland  
 Plot ID:  
 OH 113 - A/B - 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/1	none	none	
4-6"	E	7.5Y 4/2	none	none	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - extremely stony soil prevented deeper investigation,  
 - no redox in E or A  
 - probably not hydric

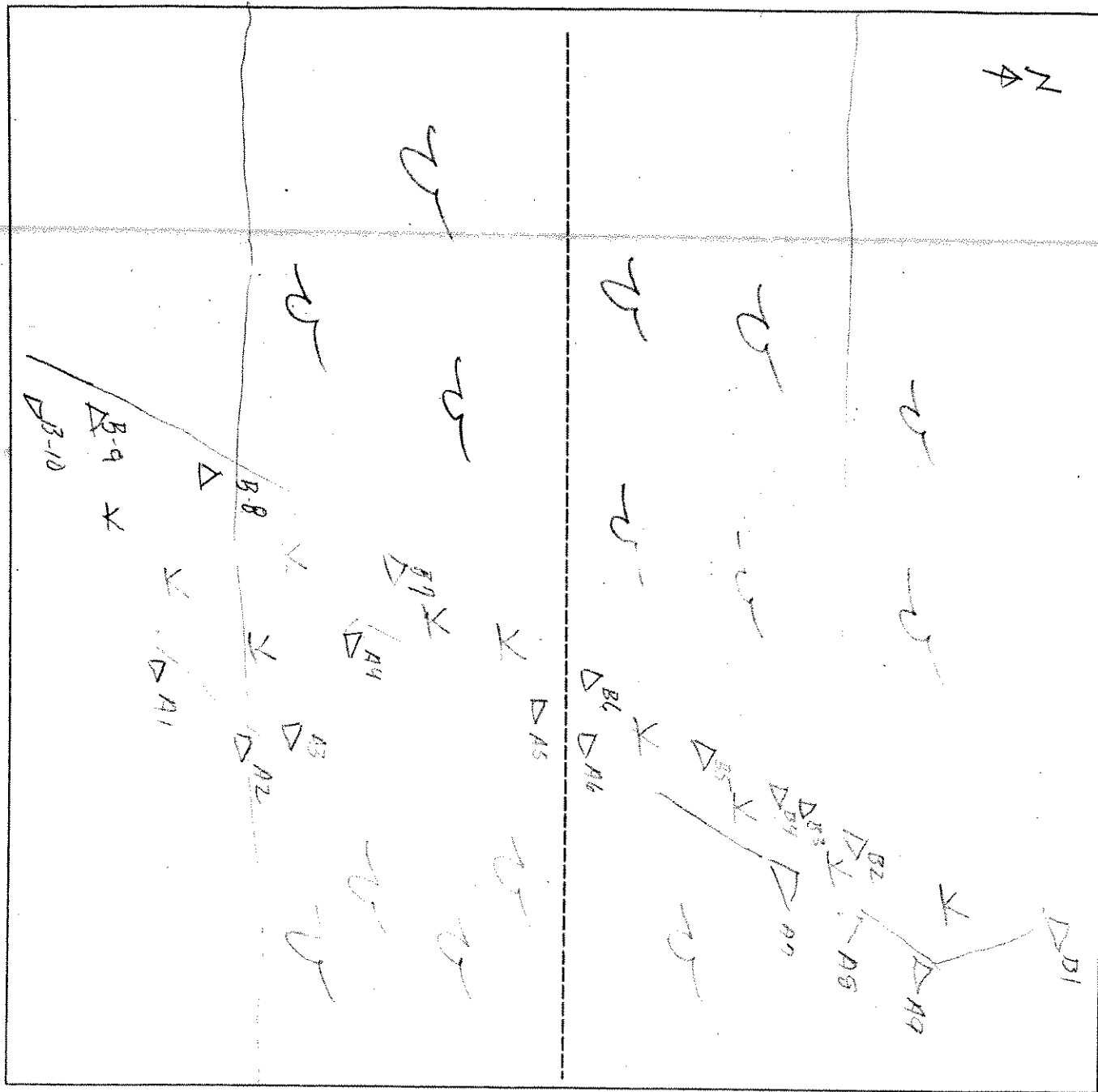
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**SKETCH FORM**

Wetland ID/Route #: <b>OH1113</b>	Date: <b>9/06/06</b> Time: <b>4:30 pm</b>
Initials of Delineators:	Location: <b>OVERHEAD TRIM LA FRANCIS ROAD TO WTG #47</b>
Roll #:	Frames:



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-7-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>wetland</u> Transect ID: Plot ID: <u>OH 1114-A-551</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>45</u> Shrub: <u>30</u> Herb: <u>40</u> Vine: <u>1</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	10.		
3. <u>Viburnum cassinoides</u>	<u>SH</u>	<u>FACW</u>	11.		
4. <u>Rubus hispides</u>	<u>V</u>	<u>FACW</u>	12.		
5. <u>Cornus canadensis</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Sagittaria arifolia</u>	<u>H</u>	<u>FAC</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Area logged but normal veg well represented</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): <u>5"</u> Depth to Saturated Soil (in.): <u>surface</u>	
Remarks:	



Date: 9-7-06  
 Community ID: wetland  
 Plot ID: 04114-A-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-0	Oe	10YR 2/2			hemis
0-10	Bg	2.5Y 6/1	10YR 5/6	5% med	coarse sand

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BCC</u>	Date: <u>9-7-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: <u>Upland</u> Transect ID: Plot ID: <u>04 1114-A-55</u>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 40 Shrub: 60 Herb: 30 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula papyrifera</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Populus glandulosa</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Fraxinus</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Vaccinium myrtillus</u>	<u>SH</u>	<u>FACU-</u>	13.		
6. <u>Cornus canadensis</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Wild rose</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Haystack fern</u>	<u>H</u>	<u>FACU</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 13%

Remarks: Area logged several years ago, normal veg still represented

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>none</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-7-06  
 Community ID: Upland  
 Plot ID:  
 Off 1114-A-552

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-0	Qi	7.5 YR 2.5/2	—	—	
0-2	A	10 YR 3/2	—	—	sandy loam
2-6	Bw	10 YR 4/4	—	—	sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<i>None</i>	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime		<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions		<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

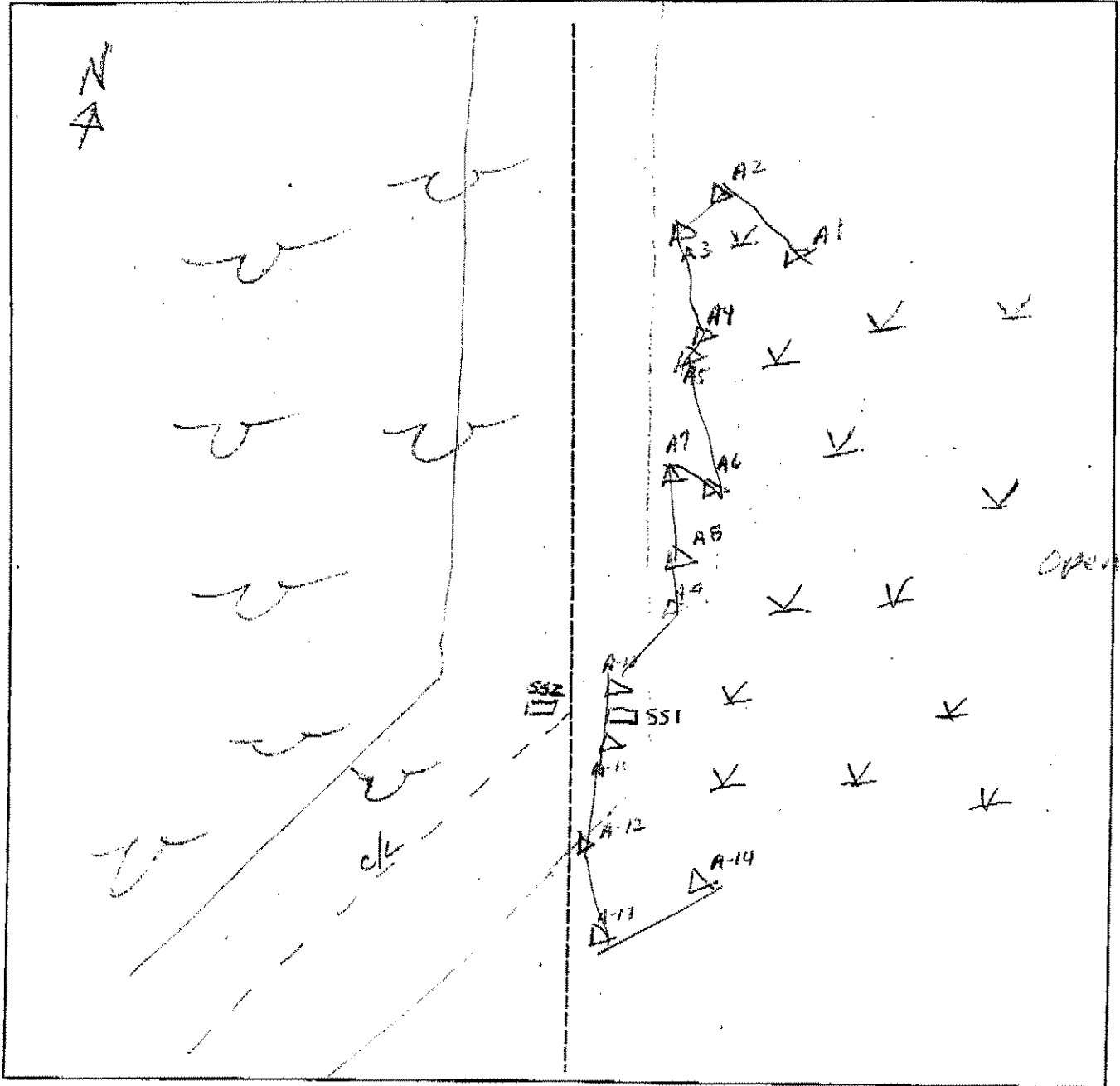
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>OH 1114</b>	Date: <b>09/07/06</b>	Time: <b>11:15 am</b>
Initials of Delineators: <b>BQ JPK</b>	Location: <b>Overhead from La Francis Road to WT # 49</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>ABC</i>	Date: <i>9-7-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>041115-A-991</i>

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *20* Shrub: *30* Herb: *60* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Acer glabrum</i>	SH	FAC	10.		
3. <i>Populus grandidentata</i>	SH	FACW	11.		
4. <i>Sagittaria</i>	H	OBL	12.		
5. <i>Betula Populifolia</i>	SH	FAC	13.		
6. <i>Juncus effusus</i>	H	FACW	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *83%*

Remarks: *Portions logged but normal veg identifiable*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>3"</i>	
Remarks:	

Date: 9-7-06  
 Community ID: Wetland  
 Plot ID: OH 1115-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O <sub>i</sub>	7.5YR 5/2	-	-	Red
4-8	O <sub>1</sub> A	2.5Y 2/1	-	ox rhiz	sticky mineral
8-15+	B <sub>g</sub>	2.5Y 5/1	10YR 5/6	75%	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Histic Epipedon <i>sticky mineral/sapric</i>	<input type="checkbox"/> Concretions
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Reducing Conditions	<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Organic Streaking in Sandy Soils
		<input type="checkbox"/> Listed on Local Hydric Soils List
		<input type="checkbox"/> Listed on National Hydric Soils List
		<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-7-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>upland</u> Transect ID: Plot ID: <u>OH 1115-A-552</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>55</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer saccharum</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Fagus americana</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Panicum glaberrimum</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Brachen fern</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Asplen acuminatus</u>	<u>H</u>	<u>FACU+</u>	14.		
7. <u>Urtica dioica</u>	<u>H</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>14%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	<u>None</u>
Remarks:	

Date: 9-7-06  
 Community ID:  
 Plot ID:  
 OH 1115-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 7/2	—	—	
4-10	B <sub>w</sub>	10YR 4/4	—	—	

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - can't go below 10", extremely stony  
 - no redox or low chroma in 10"

**WETLAND DETERMINATION**

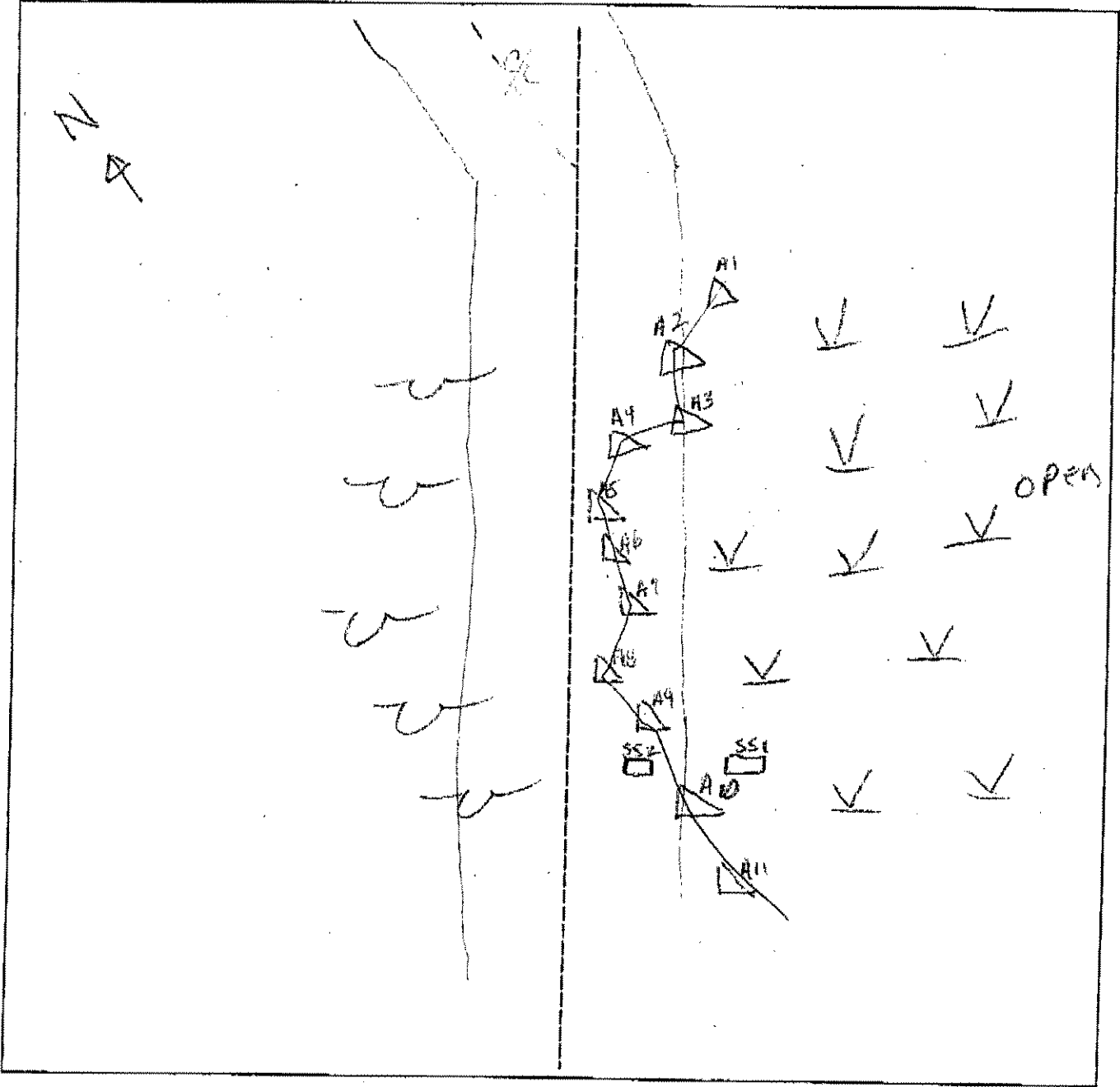
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks  
 may be connected to OH 1114-A but not verified



SKETCH FORM

Wetland ID/Route #: <i>OH115</i>	Date: <i>09/07/06</i>	Time: <i>12:30 PM</i>
Initials of Delineators: <i>BG/DR</i>	Location: <i>OVERHEAD FROM LA FRANCIS Road to WT #47</i>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BD</u>	Date: <u>9-7-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td><u>No</u></td> </tr> <tr> <td>Yes</td> <td><u>No</u></td> </tr> </table>	Yes	No	Yes	<u>No</u>	Yes	<u>No</u>
Yes	No						
Yes	<u>No</u>						
Yes	<u>No</u>						
Community ID: <u>wetland</u> Transect ID: Plot ID: <u>OH 1116-A-SS1</u>							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>60</u> Herb: <u>90</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Solid. sp.</u>	<u>SH</u>	<u>assumWet</u>	11.		
4. <u>Viburnum cassinoides</u>	<u>SH</u>	<u>FACW</u>	12.		
5. <u>Scirpus cyperinus</u>	<u>H</u>	<u>FACWT</u>	13.		
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>2"</u>	
Remarks:	

Date: 9-7-06  
 Community ID:  
 Plot ID:

Off 1116-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O <sub>i</sub>	7.5 YR 3/2	—	—	Root
4-9	O <sub>a</sub> /A	10 YR 2/1	7.5 YR 3/3	2%	Mucky mineral
9-16+	B <sub>g</sub>	7.5 Y 5/2	10 YR 3/2	5%	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon * mucky mineral / 0 <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BC</i>	Date: <i>9-7-06</i> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>04116A-95J</i>			

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>30</i> Herb: <i>20</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Populus grandidentata</i>	T	FACU	10.		
3. <i>Betula papyrifera</i>	T	FACU	11.		
4. <i>Prunus serotina</i>	T	FACU	12.		
5. <i>Prunus serotina</i>	SH	FACU	13.		
6. <i>Acer rubrum</i>	SH	FAC	14.		
7. <i>Brachyglottis</i>	H	FACU	15.		
8. <i>Wild geranium</i>	U	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	none
Remarks:	

Date: 9-7-06  
 Community ID:  
 Plot ID:

OH 1116-A-552

**SOILS**

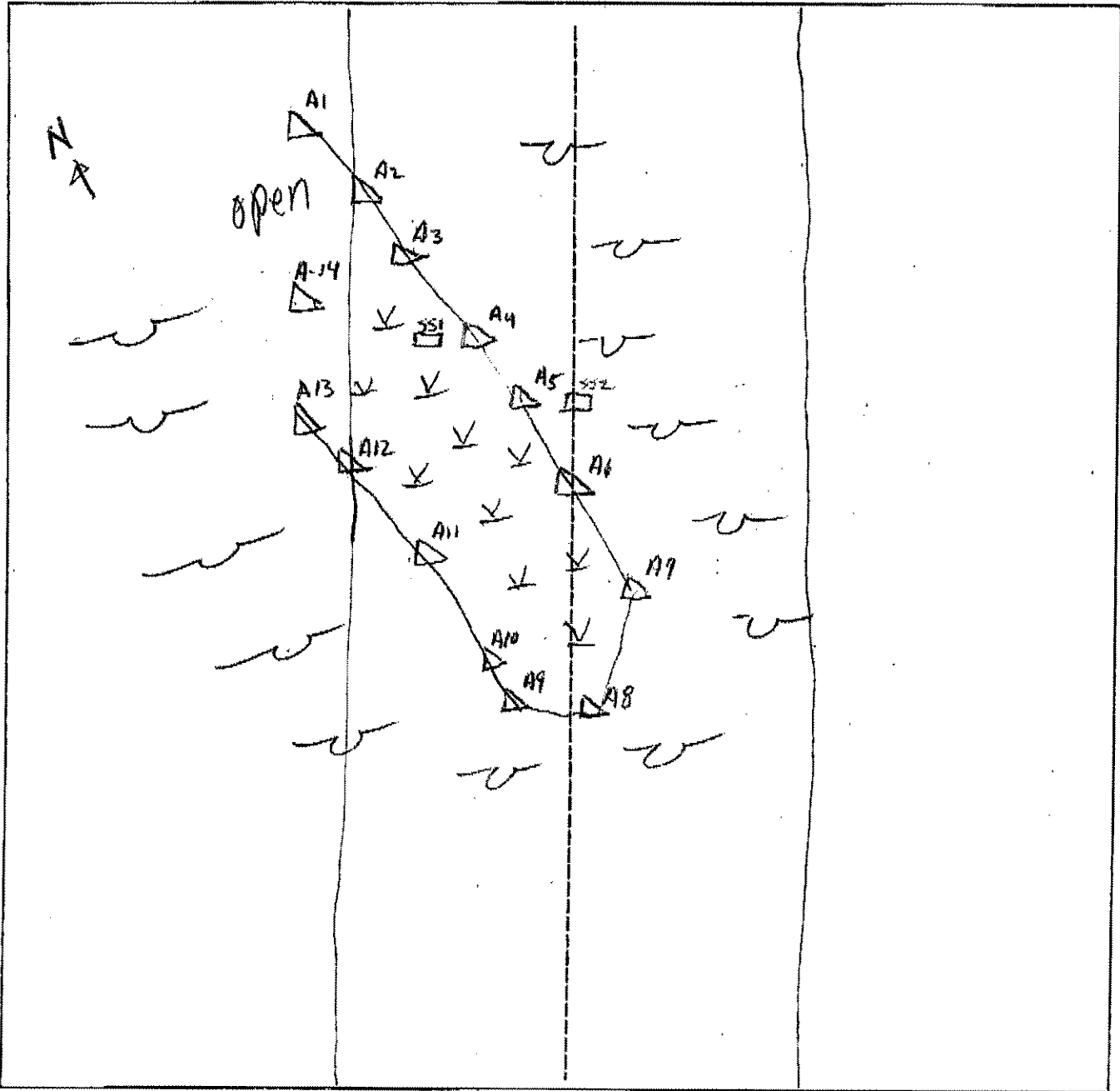
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
2-0	O <sub>i</sub>	7.5YR 3/1			dec. leaves
0-3	A	10YR 2/1	none	none	Sandy loam
3-8	B <sub>w</sub> 1	10YR 3/3	↓	↓	↓
8-12	B <sub>w</sub> 0	10YR 4/4			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <i>OH 1114</i>	Date: <i>09/07/06</i>	Time: <i>1:45 pm</i>
Initials of Delineators: <i>DK/BSQ</i>	Location: <i>OVERHEAD From La Francis Road to WT 2147</i>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BQ</i>	Date: <i>9-8-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No          Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No          (If needed, explain on reverse.)       </span></span>	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>04 1117-A-951</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>65</i> Herb: <i>25</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC			9.
2. <i>Populus popalifolia</i>	T	FAC			10.
3. <i>Viburnum cassinoides</i>	SH	FACW			11.
4. <i>Nemophyllis macrocarpa</i>	SH	OBL			12.
5. <i>Sphagnum</i>	H	OBL			13.
6. <i>Vaccinium Angustifolium</i>	SH	FACW			14.
7.					15.
8.					16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>6"</i>	Remarks:

Date: 9-8-06  
 Community ID: wetland  
 Plot ID:  
 OH 1117-A-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	Op	7.5YR 3/1	-	-	VRm/c
5-6	A	10YR 2/1	7.5YR 7/2	2%	loam
6-10	Bu1	2.5Y 5/2	10YR 4/3	5%	loamy sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BCO</u>	Date: <u>7-8-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>OH 1117-A-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>30</u> Herb: <u>25</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sparganium angustifolium</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Betula papyrifera</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Viburnum cassinoides</u>	<u>SH</u>	<u>FACW</u>	12.		
5. <u>Vaccinium angustifolium</u>	<u>SH</u>	<u>FACU</u>	13.		
6. <u>Brachyglottis</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Wild sarsaparilla</u>	<u>H</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>29%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <u>now</u> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>now</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-8-06  
 Community ID: Upland  
 Plot ID: 04 117-A-552

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 5/2	—	—	Sandy loam
2-8	Bw1	10YR 5/6	—	—	Sandy loam
8-10+	Bw2	10YR 6/1	—	—	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  <div style="text-align: center; font-family: cursive;">       e x heavily heavy @ 10"     </div>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-8-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="checkbox"/></td> <td style="text-align: center;">No <input type="checkbox"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="checkbox"/></td> <td style="text-align: center;">No <input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="checkbox"/></td> <td style="text-align: center;">No <input checked="" type="checkbox"/></td> </tr> </table>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>						
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
Community ID: Transect ID: Plot ID: <u>OH 1117-B-551</u>							

**VEGETATION**

*(Scores OH 1117-B-551)*

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>30</u> Shrub: <u>60</u> Herb: <u>80</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>V. coccinea</u>	<u>SH</u>	<u>FACW</u>	10.		
3. <u>Ulmus americana</u>	<u>SH</u>	<u>OBL</u>	11.		
4. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	

Date: 9-8-06.  
 Community ID: wetland  
 Plot ID: 041117-B-551

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
4-10	Oe	7.5 YR 2.5/1	-	-	Root
0-2	A	10 YR 2/1	7.5 YR 7/3	2%	loam
2-10+	B	2.5 Y 5/2	10 YR 5/3	75%	loamy sand

- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

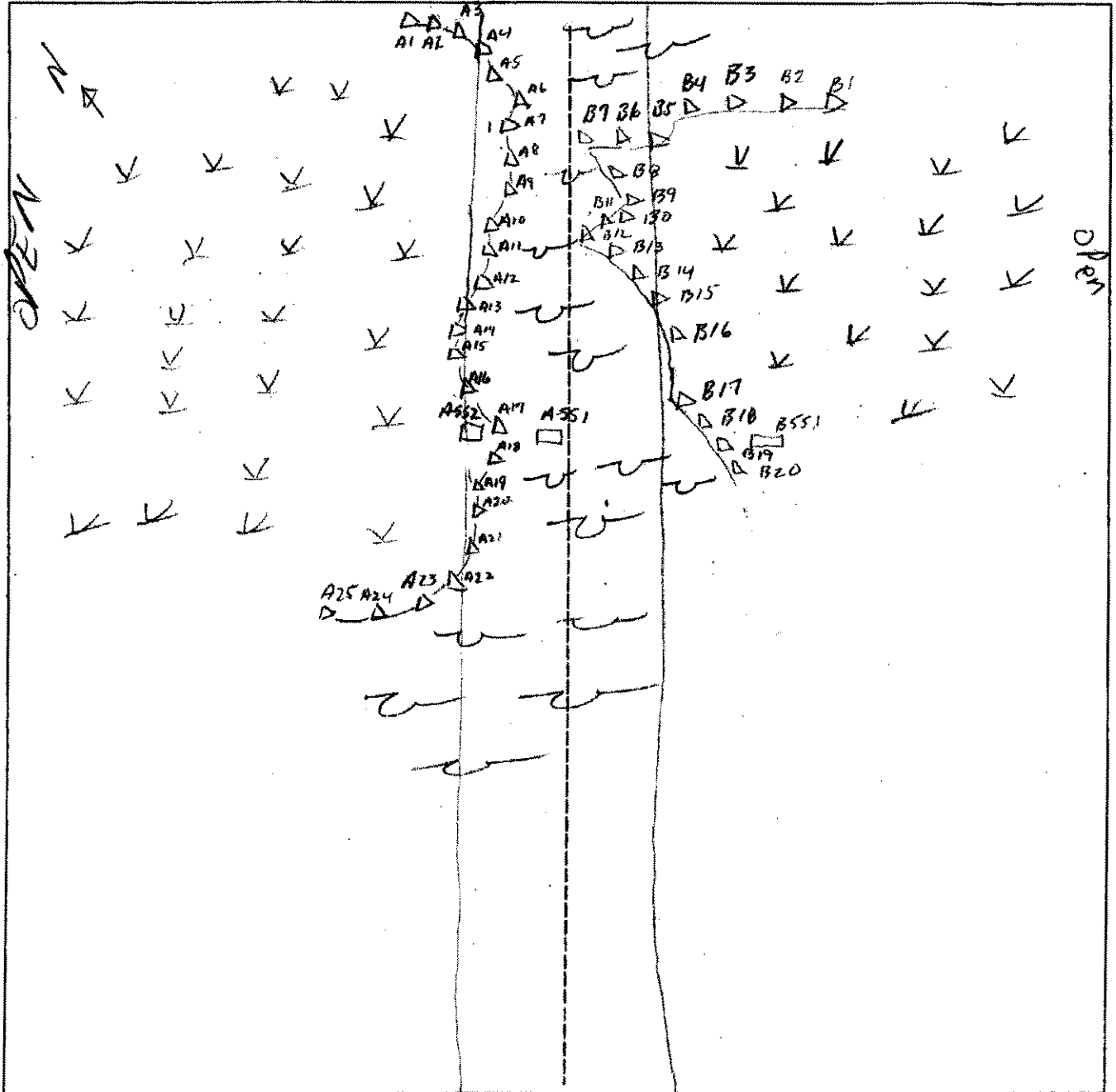
Remarks

SKETCH FORM

9/07/06

3:00 pm

Wetland ID/Route #: 0H1117	Date: 9/06/06	Time: 3:00 pm
Initials of Delineators: B9/LDR	Location: overhead from La Francis Road to WT #49	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ/LB</u>	Date: <u>9-8-06</u> County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> </table> <p align="center"><i>logging</i></p>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>OH 11'8 - A/B 551</u>								

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>35</u> Herb: <u>80</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Populus grandidentata</u>	<u>SH</u>	<u>FACW</u>	10.		
3. <u>Acer flabrum</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Platanus acerifolia</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Thelypteris simulata</u>	<u>H</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>logging within past 5 years, veg has re-generated but may be more representative of opportunistic sp.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>5"</u>	
Remarks: <u>hydrology <u>not</u> altered</u>	

Date: 9-8-06  
 Community ID: wetland  
 Plot ID: OH 1118 - A/B-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	10YR 4/4	5%	sandy loam
6-12*	B	2.5Y 6/2	2.5Y 6/6	5%	loamy sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - extremely stony @ ~15"  
 - soils NOT significantly altered

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: opportunistic sp. may be over-represented in disturbed areas, Non-disturbed areas used to correlate other indicators

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BC</u>	Date: <u>9-8-06</u> County: Clinton State: NY												
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;">No</td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;">No</td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;">No</td> <td style="text-align: center;"><input type="radio"/></td> </tr> </table>	Yes	<input type="radio"/>	No	<input checked="" type="radio"/>	Yes	<input checked="" type="radio"/>	No	<input type="radio"/>	Yes	<input checked="" type="radio"/>	No	<input type="radio"/>
Yes	<input type="radio"/>	No	<input checked="" type="radio"/>										
Yes	<input checked="" type="radio"/>	No	<input type="radio"/>										
Yes	<input checked="" type="radio"/>	No	<input type="radio"/>										
Community ID: <u>upland</u> Transect ID: Plot ID: <u>OH 1118 A/B -52</u>													

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>35</u> Herb: <u>65</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Populus grandidentata</u>	<u>SH</u>	<u>FACU-</u>	10.		
3. <u>Haystacked Fern</u>	<u>H</u>	<u>UPL</u>	11.		
4. <u>Cornus canadensis</u>	<u>H</u>	<u>FAC-</u>	12.		
5. <u>Berberis Tern</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Wild sorrel</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>17%</u>					
Remarks: <u>- located</u> <u>- P. grandidentata was down, tree under normal circ</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>low</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 9-8-06  
 Community ID: Upland  
 Plot ID:  
 OH 1118-A/B-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/2	none		Sandy loam
4-8	Bw	2.5Y 5/2	2.5Y 5/4	< 2%	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - extremely stony @ 8-10"

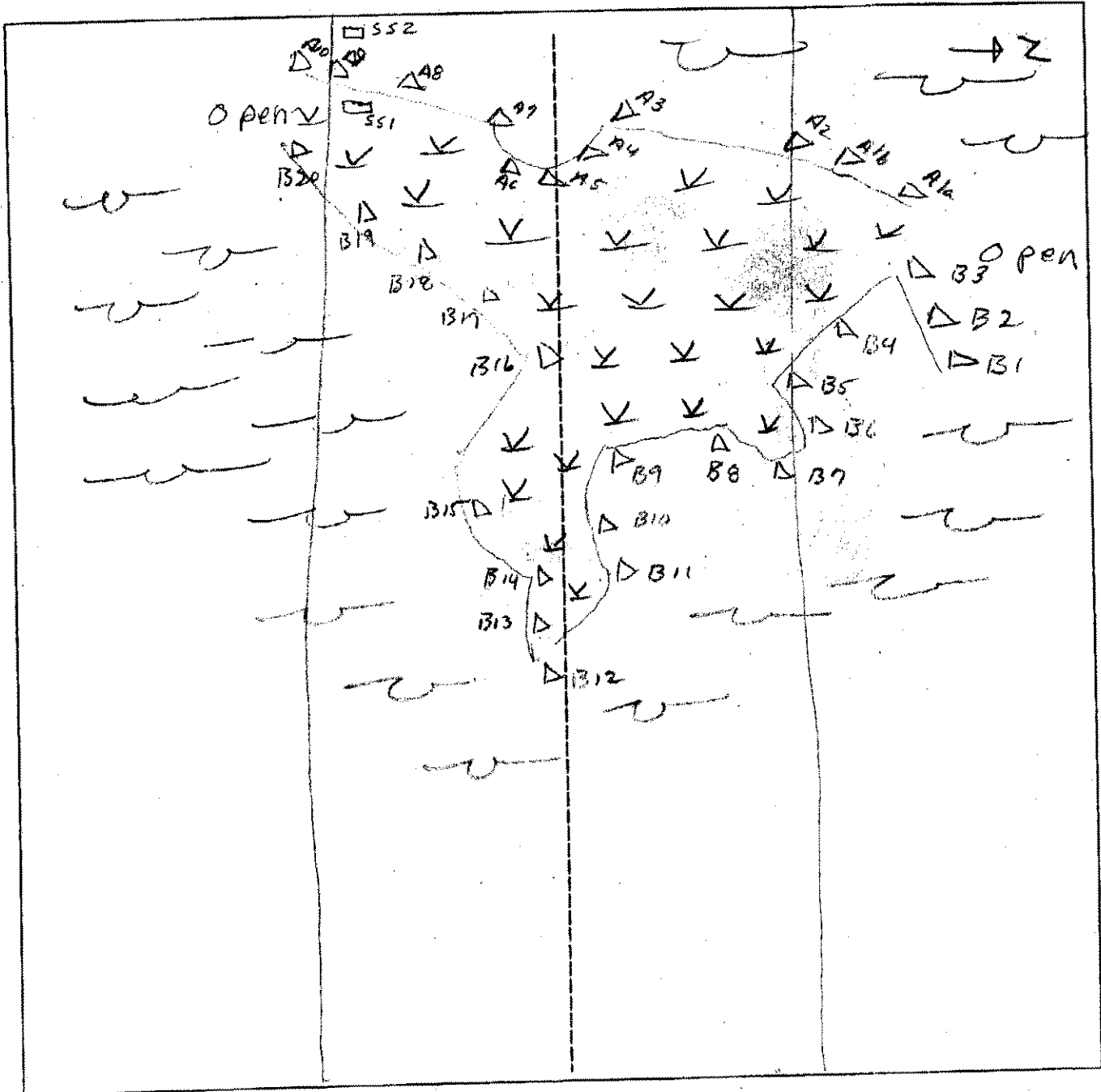
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks  
 see comments on wetland ~~not~~ (OH 1118 A/B SS1)

**SKETCH FORM**

Wetland ID/Route #: <i>041118</i>	Date: <i>09/08/06</i> Time: <i>9:30am</i>
Initials of Delineators: <i>B91DR/FB/JV</i>	Location: <i>overhead from LaFrancis Road to WT #47</i>
Roll #:	Frames:



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>9-8-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>041119-A-251</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>70</u> Herb: <u>80</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula paxillifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Spiraea latifolia</u>	<u>SH</u>	<u>FAC+</u>	11.		
4. <u>V. cassinoides</u>	<u>SH</u>	<u>FACW</u>	12.		
5. <u>S. virginicum</u>	<u>LT</u>	<u>OBL</u>	13.		
6. <u>Salix sp.</u>	<u>SH</u>	<u>assum wet</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>8"</u>	
Remarks:	

Date: 7-8-06  
 Community ID: wetland  
 Plot ID: OH 1119A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-0	De	7.5 YR 2.5/1	—	—	Asst
0-2	A	10YR 2/1	7.5 YR 3/3	2%	medium sandy loam
2-10	Bw	2.5 Y 5/2	10YR 5/3	75%	TOXIC SAND

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

Isolated wetland

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-8-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>OH 1119-A-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>25</u> Herb: <u>10</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Fraxinus americana</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Vaccinium angustifolium</u>	<u>SH</u>	<u>FACU</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4000</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-8-06  
 Community ID:  
 Plot ID:  
 04 1119 - A - 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/2	-	-	Sandy loam
3-4	Bw1	10YR 3/3	-	-	
4-10	Bw2	10YR 4/6	-	-	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

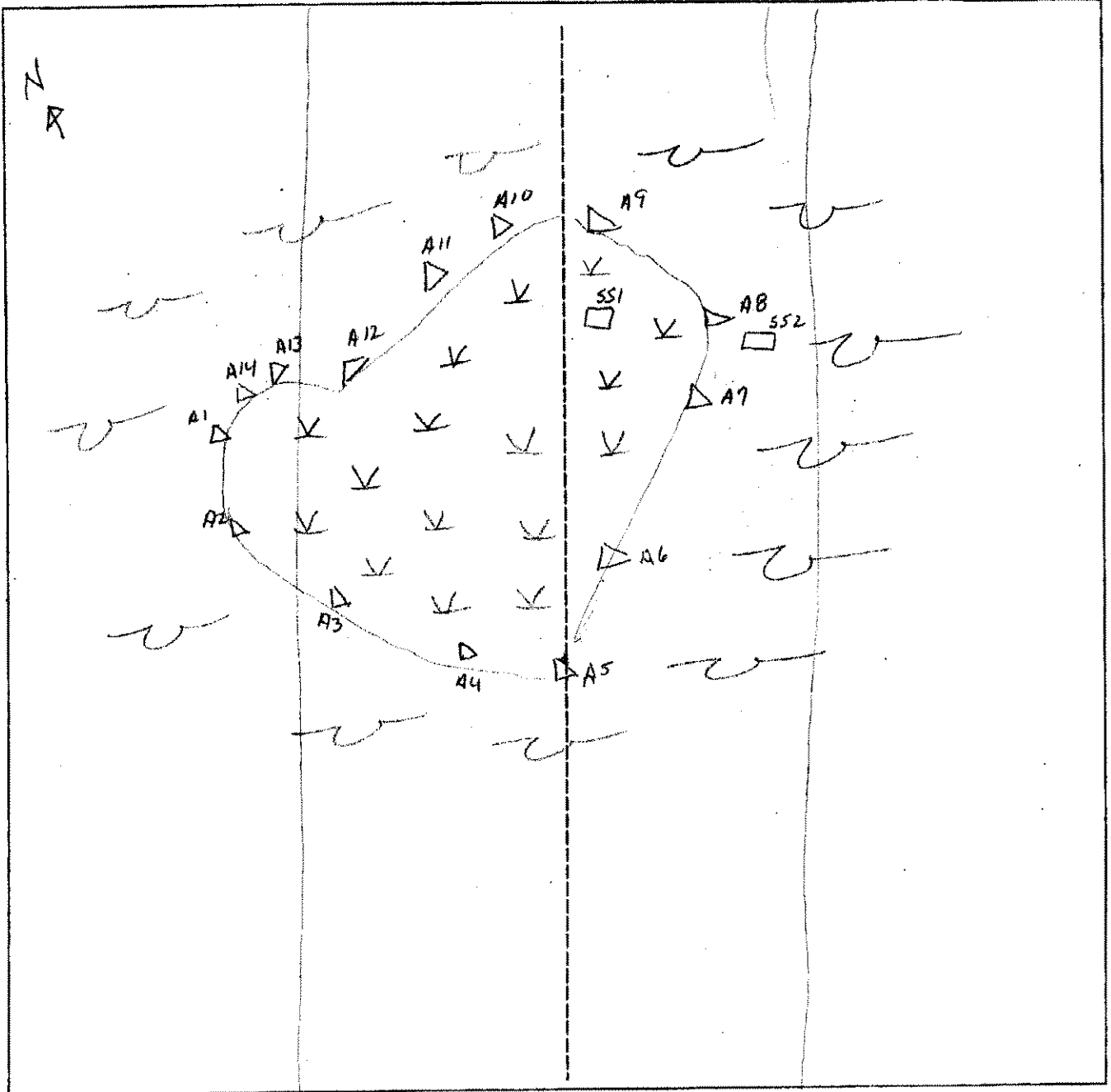
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: 0H1119	Date: 9/07/86	Time: 3:30
Initials of Delineators: DR/BQ	Location: overhead from LaFrancis Road to WT #97	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-8-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>041120-A-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>60</u> Herb: <u>90</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer idonium</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Spiraea latifolia</u>	<u>SH</u>	<u>FAC</u>	10.		
3. <u>Sally sp</u>	<u>SH</u>	<u>ASSUMED</u>	11.		
4. <u>Achillea Millefolium</u>	<u>SH</u>	<u>FACW</u>	12.		
5. <u>Corylus crinita</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Bidens sp</u>	<u>H</u>	<u>ASSUMED</u>	14.		
7. <u>Rubus hispidus</u>	<u>H</u>	<u>FACW</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	



Date: 9-8-06  
 Community ID: Wetland  
 Plot ID: 014 1120-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
5-0	0e	7.5Y 3/1	—	—	Acid
0-2	A	10YR 2/1	7.5YR 3/3	2%	loam
2-6+	Bw	2.5Y 5/2	10YR 4/3	5%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RCO</u>	Date: <u>9-8-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>04 1120-A-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>30</u> Herb: <u>20</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Prunus serotina</u>	<u>S</u>	<u>FACU</u>	10.		
3. <u>Populus grandidentata</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Prunus serotina</u>	<u>SH</u>	<u>FACU</u>	12.		
5. <u>Viburnum cassinoides</u>	<u>SH</u>	<u>FACU</u>	13.		
6. <u>Bracken fern</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>wild sassafras</u>	<u>W</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>29%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <u>low</u> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>low</u>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 9-8-06  
 Community ID: Upland  
 Plot ID: OH 1120-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
1-0	O <sub>i</sub>	7.5 YR 3/2	—	—	clayey
0-4	A <sub>1</sub>	10 YR 2/1			
4-5	E	10 YR 5/2			
5-6	B <sub>h</sub> s	7.5 YR 2.5/2			
6-10 <sup>+</sup>	B <sub>w</sub>	7.5 YR 4/6			

Hydro Soil Indicators *none*

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *exceedingly stoney*

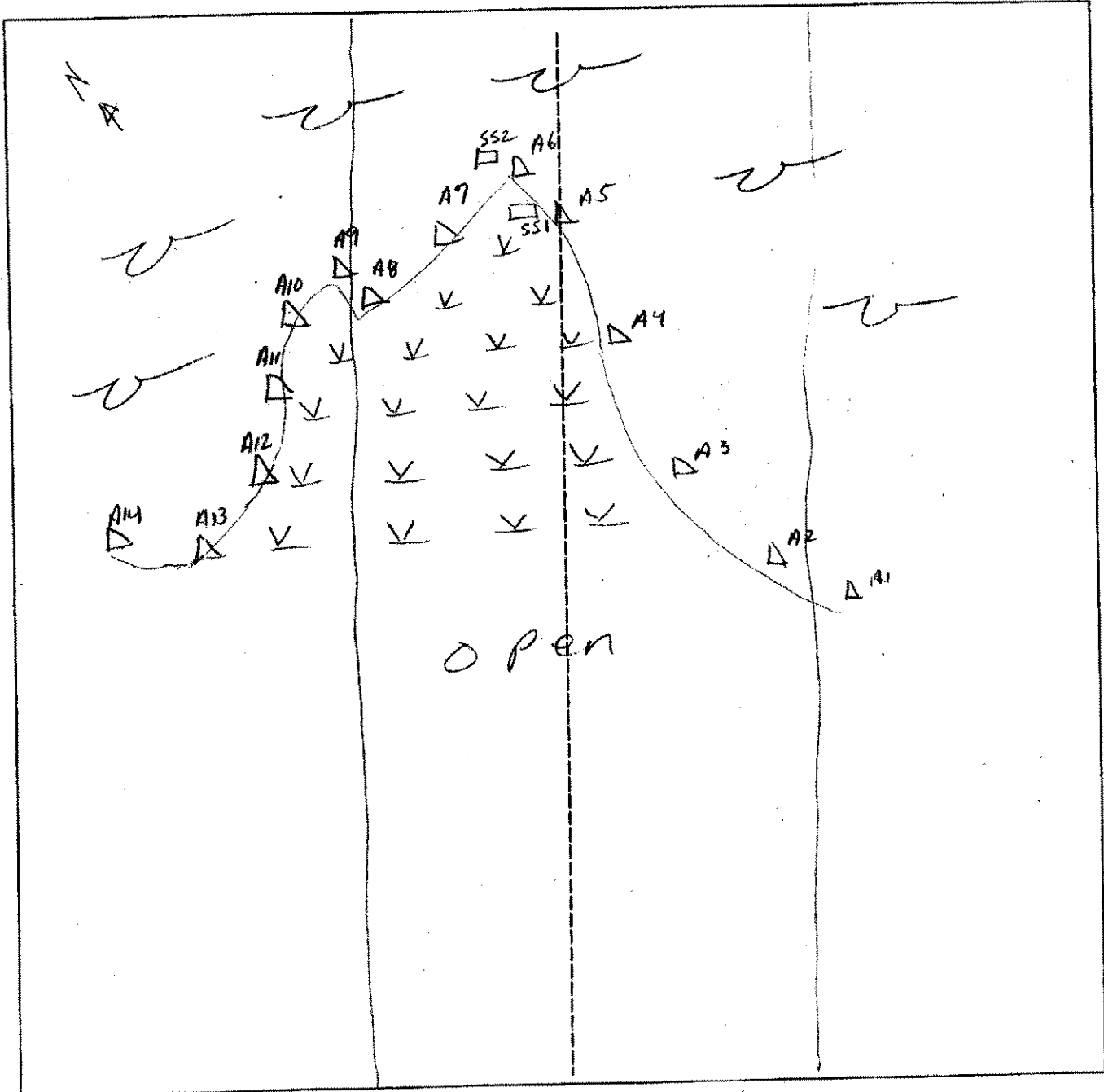
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: 1120	Date: 09/08/06	Time: 4:00 pm
Initials of Delineators: DR/BQ	Location: overhead from LaFrancis Rd. to WT #47	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>9-4-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>01120-13-991</i>	

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>35</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Potamogeton amplidens</i>	T	FACU	9.		
2. <i>Abies balsamea</i>	T	FAC	10.		
3. <i>Lythrum hyssopifolium</i>	SH	FACU	11.		
4. <i>Abies balsamea</i>	SH	FAC	12.		
5. <i>Aster bellidifolius</i>	H	FACU	13.		
6. <i>Carex crinita</i>	H	OBL	14.		
7. <i>Sphagnum</i>	H	OBL	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>86%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>surface</i>	
Remarks:	

Date: 9-9-06  
 Community ID: wetland  
 Plot ID: Off 1120-13-391

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	7.5YR 3/3	75% fine	sticky loam
8-12+	Bw	2.5Y 5/2	2.5Y 7/3 10YR 5/6	75% med	sandy loam

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BLO</u>	Date: <u>9-9-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>OH1120-B-558</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>20</u> Herb: <u>10</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Picea canadensis</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Populus grandidentata</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>Abies balsamea</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Willow spp.</u>	<u>H</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <u>done</u> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-9-06  
 Community ID: Upland  
 Plot ID: OH 1130-13-552

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1	—	—	Sandy loam
2-3	E	10YR 5/8	—	—	↓
3-6	B <sub>hs</sub>	10YR 3/3	—	—	↓
6-10	B <sub>w</sub>	10YR 4/6	—	—	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		None		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)	
Remarks:					

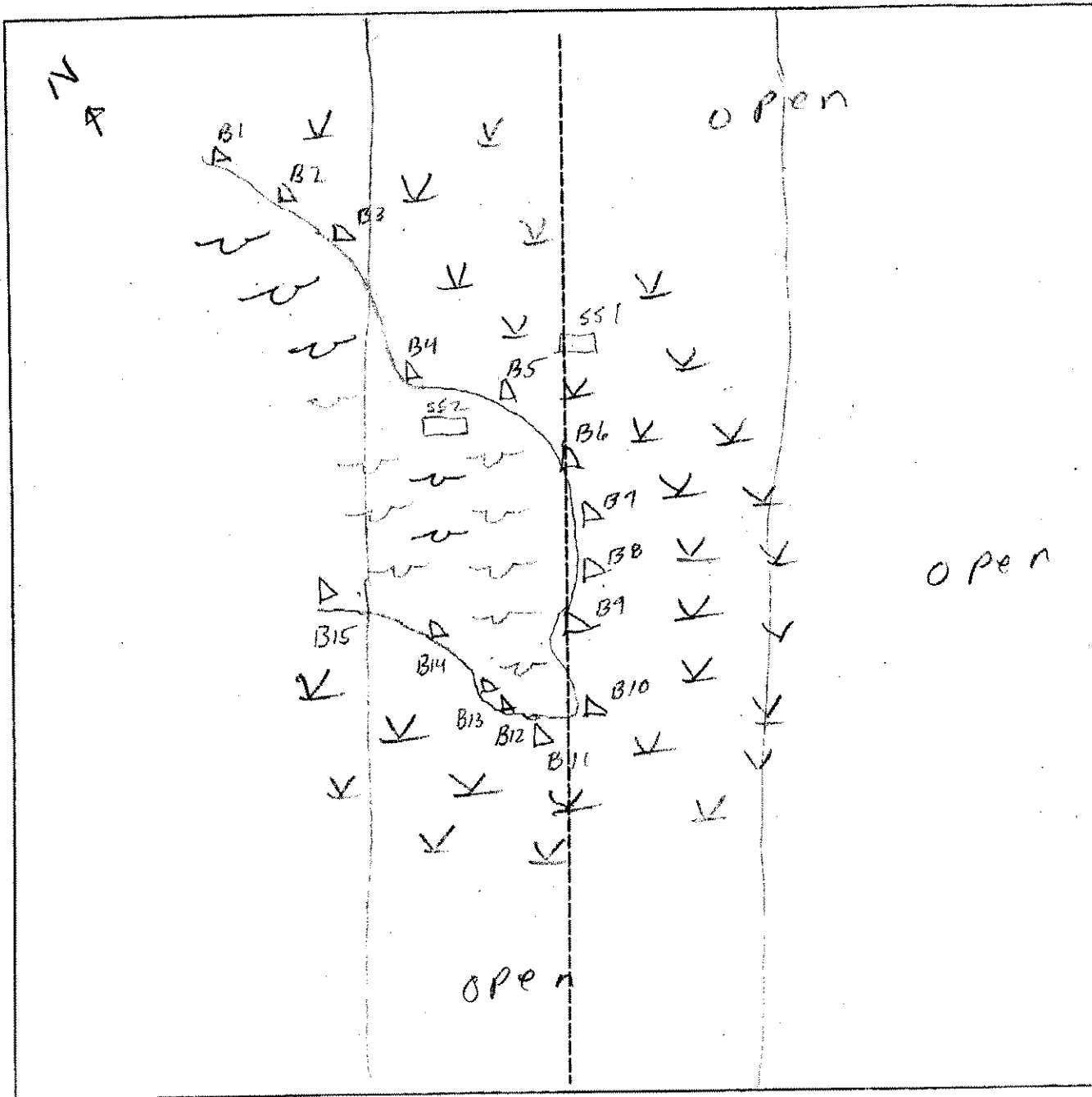
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			



SKETCH FORM

Wetland ID/Route #: 1120-15	Date: 9/09/06	Time: 10:00am
Initials of Delineators: DR/BQ	Location: Overhead from La Francis to WT #47	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BCE</u>	Date: <u>9-9-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>OH #120-C-551</u>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 40 Shrub: 25 Herb: 85 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Pop. grandidentata</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Fraxinus americana</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Ostrya clytonia</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Quercus sensibilibs</u>	<u>L</u>	<u>FAW</u>	13.		
6. <u>Sphagnum</u>	<u>N</u>	<u>OBL</u>	14.		
7. <u>Carex crinita</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>Betula pumila</u>	<u>SH</u>	<u>FAC</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>surface</u>	
Remarks:	

Date: 9-9-06  
 Community ID: Wetland  
 Plot ID: 04 1120-C-991

SOILS

see 1120-3551

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	7.5YR 3/3	75%	loam
6-10	Bw	7.5Y 5/2	10YR 5/6	75%	loamy sand

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

very sandy, sandy at 10"

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

line is wetland but not in wetland  
 (copy)

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BCR</u>	Date: <u>9-9-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UP</u> Transect ID: Plot ID: <u>OH 1120-C-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>20</u> Herb: <u>10</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Alnus incana</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Picea canadensis</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Populus alba</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Prunus americana</u>	<u>SH</u>	<u>FACU</u>	12.		
5. <u>Prunus serotina</u>	<u>SH</u>	<u>FACU</u>	13.		
6. <u>Wild rose</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks:

Date: 9-9-06  
 Community ID: Upland  
 Plot ID: OH 1180-C-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 2/1	None	None	100M
5-7	Bw/E	2.5Y 5/2	None	None	loamy sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 - extremely shallow soil due to rock  
 - Bw consistent with upland E in wood areas, no veg

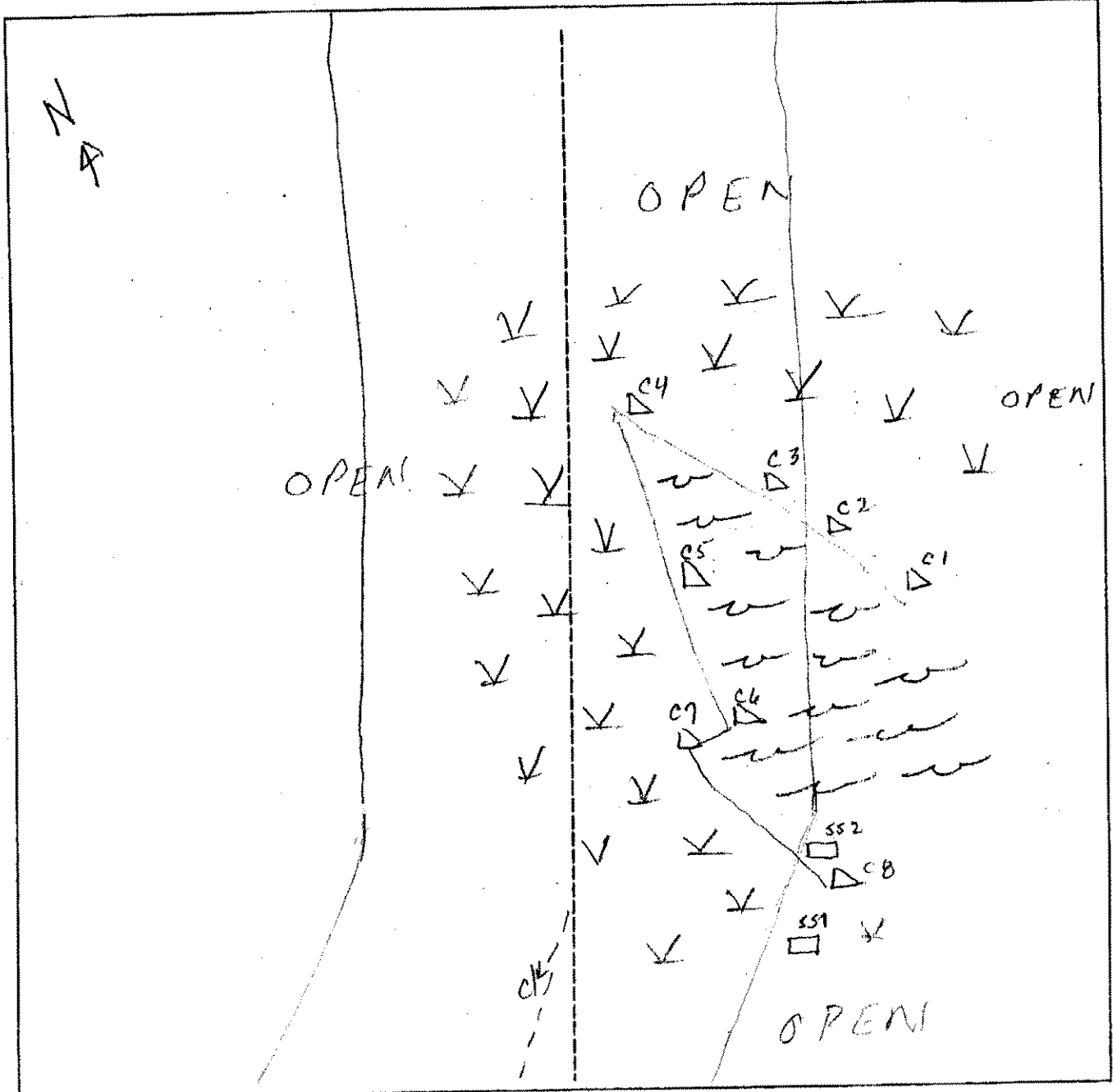
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydic Soils Present?	* Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks  
 \* Soils inconclusive due to shallow rock but Bw/E consistent with E in similar upland island with same veg/hydro  
 - No wetland veg or hydro anyway

**SKETCH FORM**

Wetland ID/Route #: 1120-C	Date: 09/09/06	Time: 10:45am
Intials of Delineators: DR / BQ	Location: Overhead from La Francis Road to WTS '97	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-10-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input checked="" type="radio"/> logging Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>841120-D-551</u>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 20 Shrub: 50 Herb: 90 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	9. <u>Rubus idaeus</u>	<u>SH</u>	<u>FAC-</u>
2. <u>Thuja occidentalis</u>	<u>T</u>	<u>FACW</u>	10. <u>Platanus acerifolia</u>	<u>H</u>	<u>FACW</u>
3. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	11. <u>Lespedeza bicolor</u>	<u>H</u>	<u>OBC</u>
4. <u>Betula populifolia</u>	<u>SH</u>	<u>FAC</u>	12. <u>Lythrum hyssagifolium</u>	<u>H</u>	<u>FACW</u>
5. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	13. <u>Rubus allegheniensis</u>	<u>SH</u>	<u>FACW</u>
6. <u>Bouquet</u>	<u>H</u>	<u>FACW</u>	14. <u></u>		
7. <u>Joe Pie weed</u>	<u>H</u>	<u>FACW</u>	15. <u></u>		
8. <u>Spine castalia</u>	<u>SH</u>	<u>FAC+</u>	16. <u></u>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 85%

Logged  
Disturbed

Remarks: - Area logged but down very recently + new very cloudy wet (no hydrology change)

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.): <u>surface</u></p>	
<p>Remarks: <u>- NO alteration of hydrology</u></p>	

Date: 9-10-06  
 Community ID: wetland  
 Plot ID:

OH 1120-D-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A	2.5Y 2.5/1	7.5YR 7/3	5% fine	Muddy loam
9-12	B <sub>0</sub>	2.5Y 5/2	7.5YR 3/4	75% med	loamy sand
12-	R				

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks		



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-10-16</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>logged</u> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>ON 100-D-552</u>	

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 20 Shrub: 80 Herb: 25 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Picea canadensis</u>	F	FACU	9.		
2. <u>Alnus incana</u>	F	FAC	10.		
3. <u>Rubus idaeus</u>	SH	FAC-	11.		
4. <u>Rubus allegheniensis</u>	SH	FACU	12.		
5. <u>Urtica dioica</u>	SH	FAC	13.		
6. <u>Cornus canadensis</u>	H	FAC	14.		
7. <u>Hamamelis virginica</u>	H	FACU	15.		
8			16.		

Down pre logging →

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 29%

Remarks: - area logged but normal veg, identified as a new veg. island with no hydrology change

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <u>none</u> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>none</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks: <u>- no change in hydrology</u>

Date: 9-10-06  
 Community ID: Upland  
 Plot ID:

04 100 D-552

**SOILS**

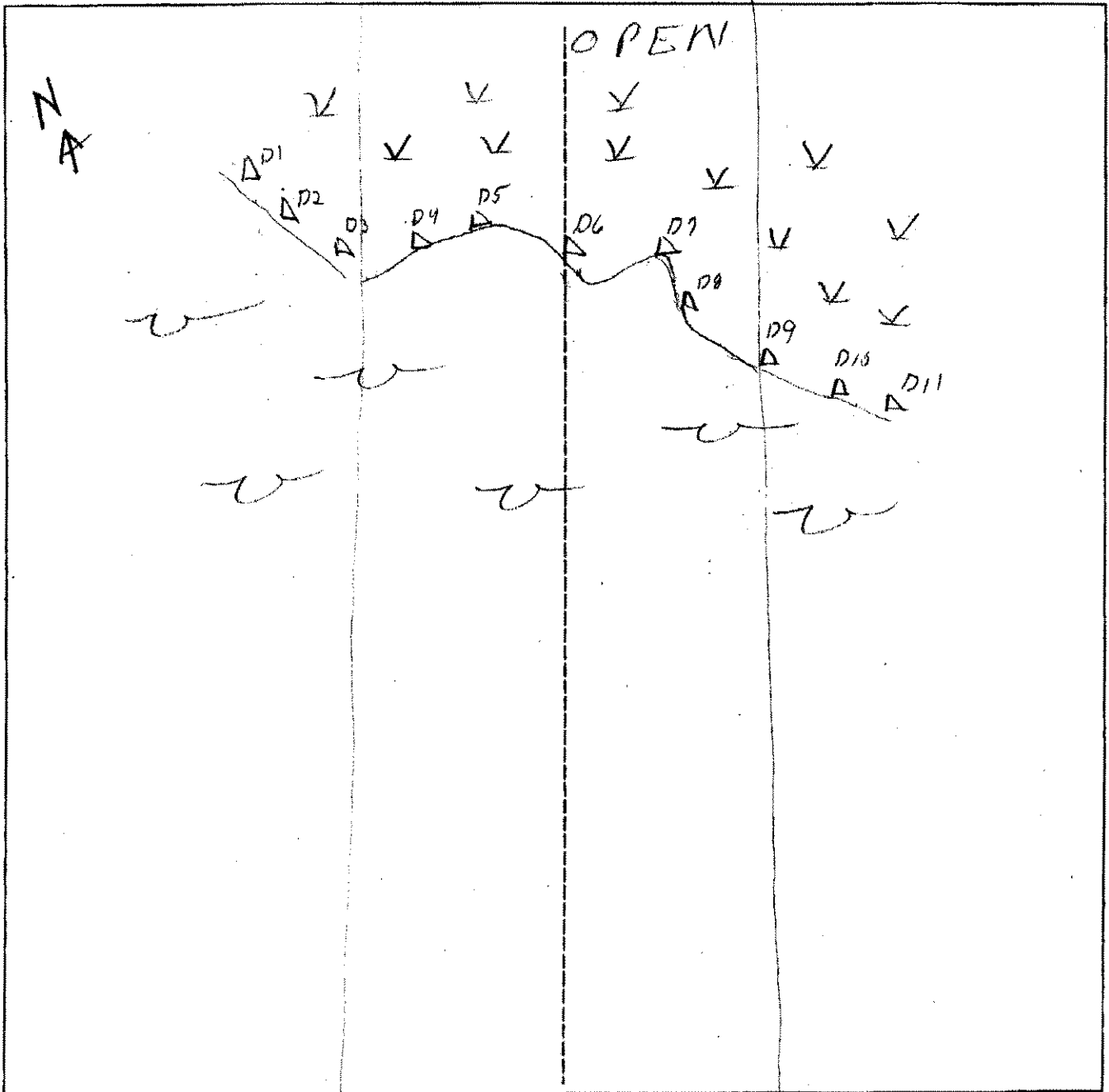
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10 YR 2/1	none		loam
2-3	E	2.5 Y 5/2	none	discontinuous	loamy sand
3-12	B <sub>1</sub> s	7.5 YR 2.5/7	none		
D	B				
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

**SKETCH FORM**

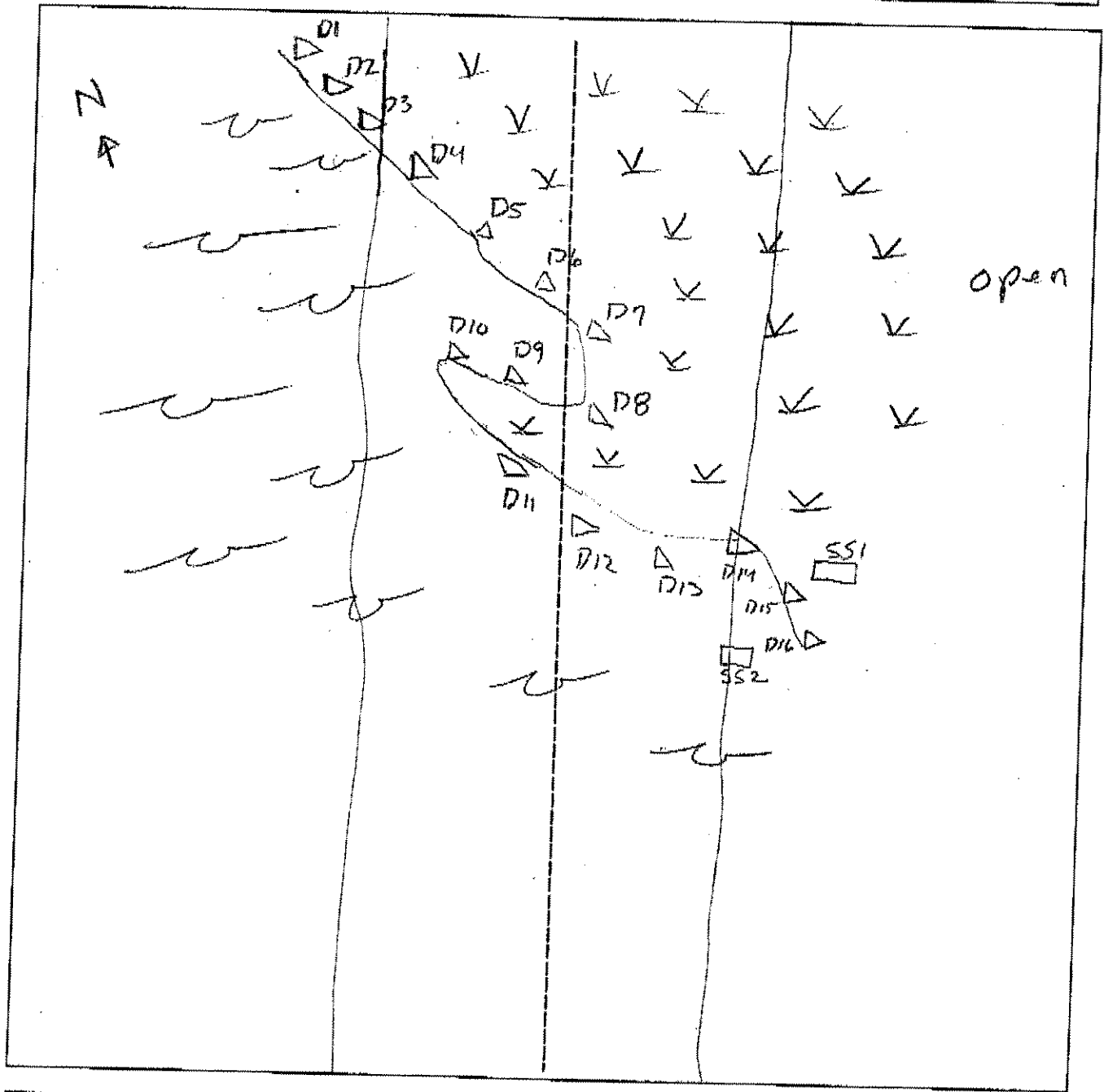
Wetland ID/Route #: 1120D (INCOMPLETE)	Date: 09/09/06	Time: 12:00 PM
Initials of Delineators: DR/BQ	Location: OVERHEAD FROM LA FRANCIS ROAD to WTG #47	
Roll #:	Frames:	



<b>Legend</b>		
Photo Location/Direction	Wetland	
Sample Station	Upland	
Centerline	Stream	
Flag	Intermittent Stream	

### SKETCH FORM

Wetland ID/Route #: <i>DH1120 D (revised)</i>		Date: <i>09/10/06</i>	Time: <i>9:30 am</i>
Initials of Delineators: <i>DR/BO</i>		Location: <i>Overhead from LaFrancis Road to WTG #47</i>	
Roll #:	Frames:		



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/5/07</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: <u>PFO4/PBM</u> Transect ID: Plot ID: <u>OH100 ABCD-SSI</u>							

**VEGETATION**

Plant Community Classification: Spruce/FW  
Percent Canopy Cover: Tree: 30 Shrub: 20 Herb: 85 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	9. <u>Sphagnum moss 95%</u>	<u>H</u>	<u>OBL</u>
2. <u>Picea mariana</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>A. balsamea</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Salix bebbiana</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>Spirea latifolia</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Caltha palustris *</u>	<u>H</u>	<u>OBL</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: Numerous observations throughout w/

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>&lt;1" - 3" in spots</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/5/07  
 Community ID: PFOV/PEM  
 Plot ID: 011120 ABCD S51

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1			Clay

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

Photo 7 => N  
 Area has been logged. Prominent evidence of activities include  
 fire cuts, debris. Although typical WL conditions exist,  
 the area has been altered.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JY AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 0H120 ABCD 888

**VEGETATION**

EXT

Plant Community Classification: <u>Logged Area</u>					
Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>15</u> Herb: <u>90</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Picea mariana</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Picea Abies</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Louge Canadensis</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Fraxinea virginiana</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Aster sp.</u>	<u>H</u>	<u>—</u>	13.		
6. <u>Rubus sp.</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>250%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/07  
 Community ID: UPL  
 Plot ID: OH1120 ABCD 882

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	D	10YR 2/2			organic
2-4	A	10YR 3/2			slt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

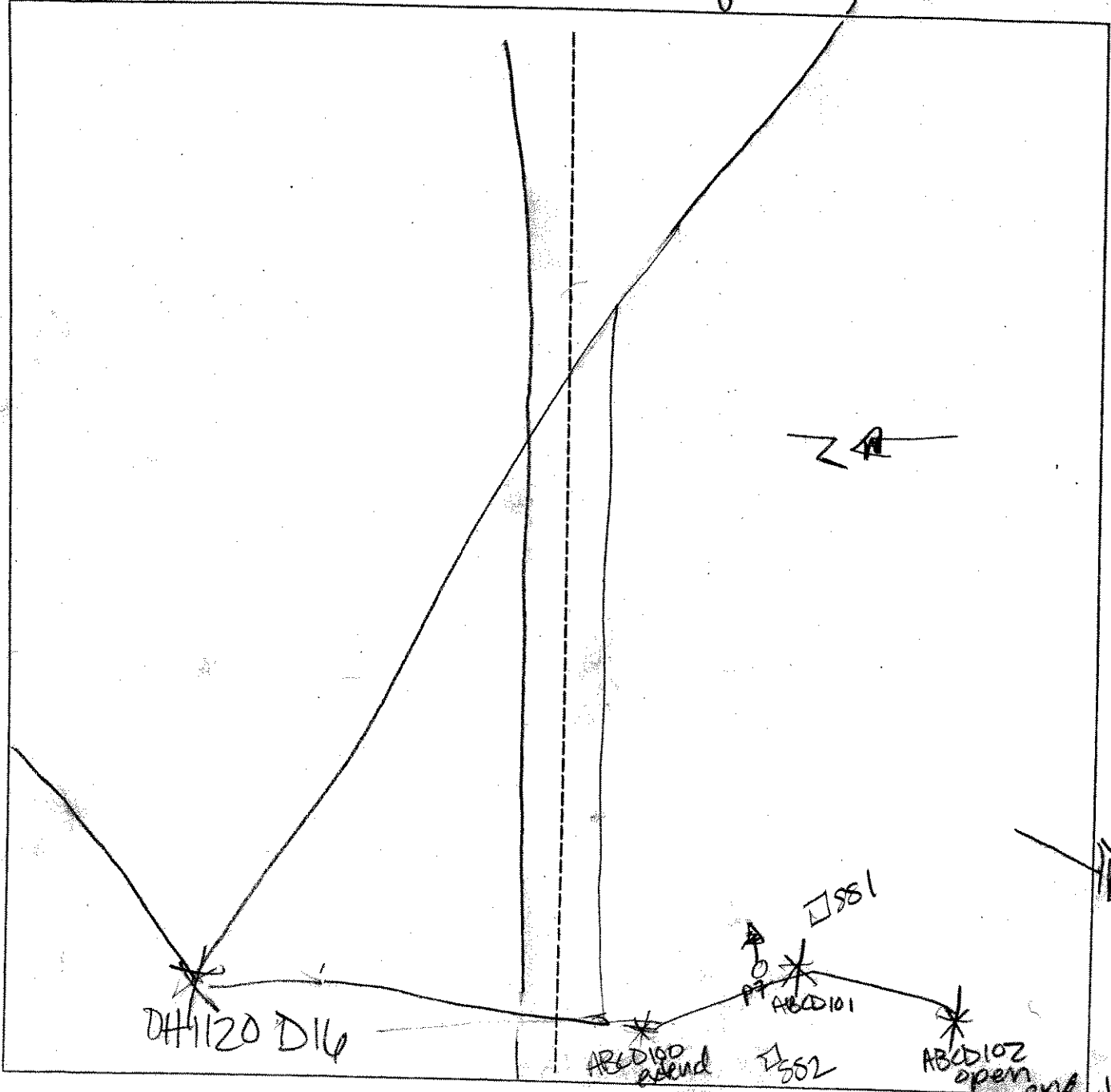
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Area has been previously logged. Soils have been disturbed.



SKETCH FORM

Wetland ID/Route #: <b>OH1120 ABCD EXT</b>	Date: <b>5 May 07</b>	Time:
Initials of Delineators: <b>JV - AP</b>	Location: <b>OH1120 ABCD</b>	
Roll #:	Frames: <b>photo 7 by ABCD101 facing East</b>	



<b>Photo Location/Direction</b>	<b>Legend</b>	<b>Wetland</b>
<b>Sample Station</b>	<b>Upland</b>	<b>Stream</b>
<b>Centerline</b>	<b>Intermittent Stream</b>	
<b>Flag</b>		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>9-10-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input type="checkbox"/></td> <td style="text-align: center;">No <input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;">Yes <input checked="" type="checkbox"/></td> <td style="text-align: center;">No <input type="checkbox"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="checkbox"/></td> <td style="text-align: center;">No <input checked="" type="checkbox"/></td> </tr> </table>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>						
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>OH 1121-A-551</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>20</u> Herb: <u>90</u> Vine: <u>5</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Spina albidiflora</u>	<u>SH</u>	<u>FAC</u>	10.		
3. <u>Betula populifolia</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Carex crinita</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Carex lasiocarpa</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Claytonia virginica</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Utricularia</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>Impatiens virginica</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>- logged - windthrown trees, dom. norm. veg is identifiable</u> <u>- new veg is wet and hydrology has not been installed</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>surface</u>	Remarks:  <u>- no alterations</u>

Date: 9-10-06  
 Community ID:  
 Plot ID:

0H1121 - A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 2/1	7.5YR 2/3	2%	Waxy uniform
10-12"	Bq	2.5Y 5/2	2.5Y 6/1	3-5%	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BC</u>	Date: <u>9-10-06</u> County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Community ID: <u>Upland</u> Transect ID: Plot ID: <u>OH1122-A552</u> <u>OH1121-A552</u>									

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 20 Shrub: 85 Herb: 20 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Picea rubens</i>	T	FACU	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Panicum glandulosum</i>	T	FACU	11.		
4. <i>Chodke Cherry</i>	SH	FACU	12.		
5. <i>Rubus idaeus</i>	SH	FACU	13.		
6. <i>Rubus allegheniensis</i>	SH	FACU	14.		
7. <i>Veronica angustifolia</i>	SH	FACU	15.		
8. <i>Horsetail</i>			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%

dom. trees pre log

Remarks: - Logged + wind-thrown trees but Norm. dom. veg. identifiable  
- new veg. is up with no hydro change

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>none</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks: <p align="center">- no hydrology alterations</p>

Date: 9-10-06  
 Community ID: Upland  
 Plot ID: OH 1122-A-552 } show  
 OH 1121-A-552 }

**SOILS**

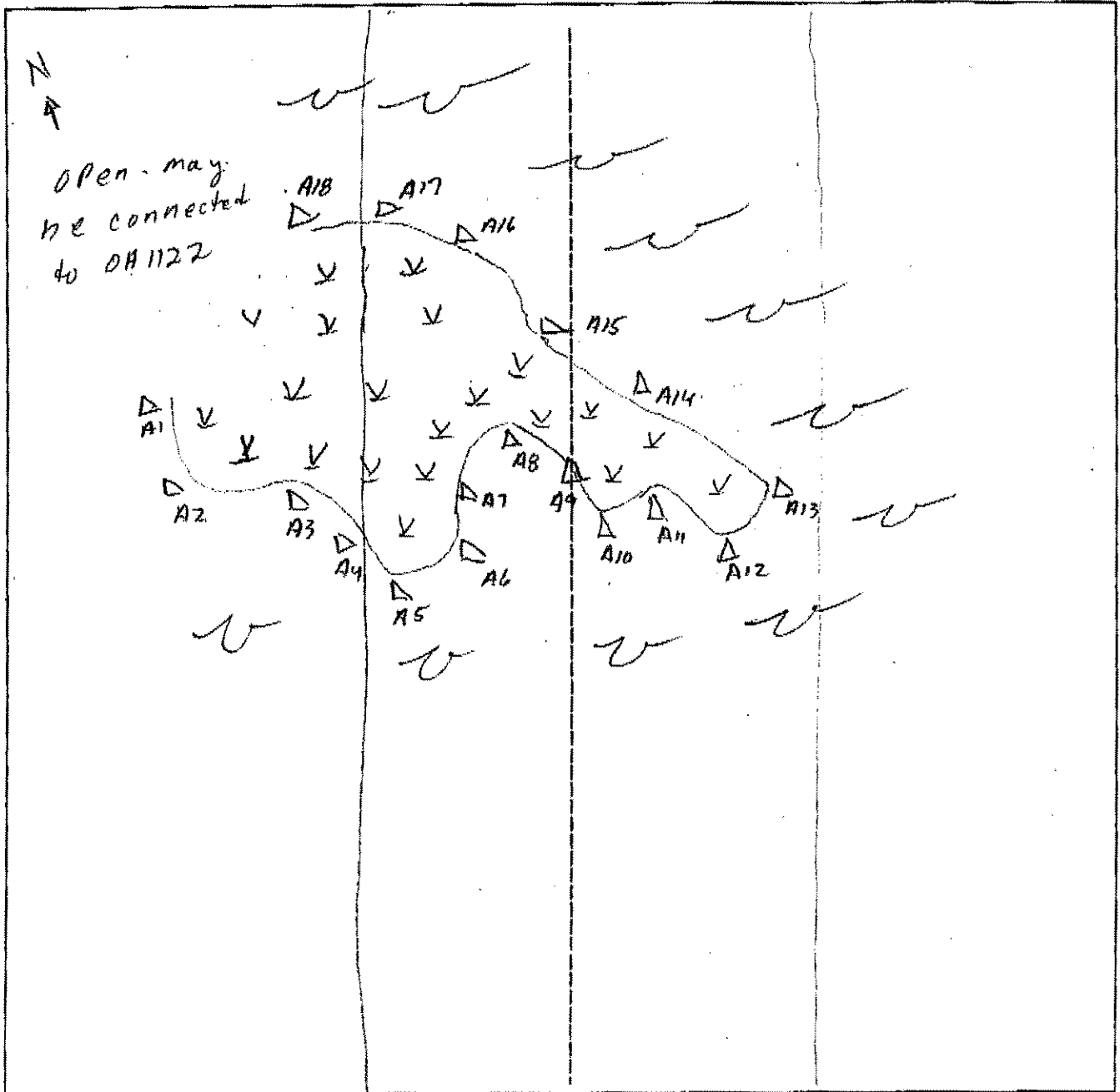
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
1-0	O <sub>i</sub>	10YR 7/2	-	-	Fibric
0-5	A	10YR 7/2	-	-	Loam
5-8	B <sub>u1</sub>	7.5YR 3/4	-	-	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		none			
		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					
- clear topo boundary - very stony/shallow bedrock - no redox in A					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	
Remarks			

SKETCH FORM

Wetland ID/Route #: 0H1121	Date: 09/10/06	Time: 12:00 pm
Initials of Delineators: DR/BQ	Location: OVERHEAD FROM La Francis Road to WTG #47	
Roll #:	Frames:	Adjacent (NE) to WTG #47



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>ASB do</i>	Date: <i>082306</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: Transect ID: Plot ID: <i>0H-1200-A 551</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Representative plots IC 921 and IC 923</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>Rep. plots IC 921 and IC 923</i>	

Date: 08 23 06  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: *Rep plots IC 921 and IC 923*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks: *Rep plots IC 921 and IC 923*



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>AL DO</i>	Date: <i>082306</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>04-1200-A 352</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Rep plots IC 921 and IC 923</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>Rep plots IC 921 and IC 923</i>	

Date: 082306  
 Community ID:  
 Plot ID: 0H-1200 A-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Rep plots IC 921 and IC 923

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Rep plots IC 921 IC 923

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon wind power LLC</i> Investigator: <i>BR, LSH</i>	Date: <i>5/01/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>IC 921 A-SSI</i>

**VEGETATION**

Plant Community Classification: <i>PFO1</i> Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>70</i> Herb: <i>75</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Banana Aspen</i>	<i>T</i>	<i>FACV</i>	9.		
2. <i>Acer Rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Meadow Sweet</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Meadow Sweet</i>	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/6 83%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>6</i>  Depth to Free Standing Water in Pit (in.): <i>0</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5/21/06  
 Community ID: wetland  
 Plot ID: DC 921A-551

**SOILS**

Map Unit Name  
 (Series and Phase): *N/A*

Drainage Class: *PD*

Taxonomy (SubGroup): *N/A*

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-12</i>	<i>A</i>	<i>10YR-3/2</i>	<i>10YR-3/6</i>	<i>Common / medium / distinct</i>	<i>Sandy loam</i>

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                         | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                  | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                    | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions   | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors      | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

*refusal of auger 12 inches*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland?  Yes No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon windpower LLC</i> Investigator: <i>BR, KH</i>	Date: <i>5/21/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>RC921A-SSa</i>

**VEGETATION**

Plant Community Classification: <i>A roadside</i> Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <i>100</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grass sp</i>	<i>H</i>	<i>-</i>	9.		
2. <i>Dandelion</i>	<i>H</i>	<i>FACV-</i>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>N/A</i>  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/21/06  
 Community ID: upland  
 Plot ID: PC 921A-552

**SOILS**

Map Unit Name (Series and Phase): *N/A*

Drainage Class: *MWD*

Taxonomy (SubGroup): *N/A*

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	2.5Y-2/3			Sand

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: *roadside sandy fill*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>GR</i>	Date: <i>5/21/06</i> County: <i>Custer</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PFO</i> Transect ID: Plot ID: <i>P2 921 B - Swamp Wetland</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85.5</i> Shrub: <i>10.5</i> Herb: <i>38.0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Blue Cherry</i>	<i>Shrub</i>	<i>FACW</i>	10.		
3. <i>May Flower</i>	<i>Herb</i>	<i>FAC</i>	11.		
4. <i>Touch me not</i>	<i>Herb</i>	<i>FACW</i>	12.		
5. <i>Carex (unk)</i>	<i>Herb</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/5 = 60</i>					
Remarks: <i>Carex assumed FACW, unable to ID due to seasonal conditions</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.): <i>Surface</i>  Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 5/21/06  
 Community ID: P60  
 Plot ID:

DR 021 B Seves Wetland

**SOILS**

Map Unit Name  
 (Series and Phase): N/A  
 Taxonomy (SubGroup): N/A

Drainage Class: PD  
 Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 2/1	None	None	Fol
10-18	Bw <sub>1</sub>	10YR 4/2	10YR 4/6	Few/med/DFA	Fol

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

IC 921 B  
upland

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BR	Date: 5/21/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: FFO Transect ID: Plot ID: IC921 B - Semi-Upland

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: 85.5 Shrub: 10.5 Herb: 30.0 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	Tree	FAC	9.		
2. Black Cherry	Tree	FACU	10.		
3. Black Cherry	Shrub	FACU	11.		
4. Many Flower	Herb	FAC	12.		
5. Tree like Chloro moss	Herb	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/5 = 20					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 18"</i> Depth to Saturated Soil (in.): <i>&gt; 18"</i>	
Remarks:	

Date: 5/21/06  
 Community ID: PFO  
 Plot ID:

AR 921 B. Series Upland

**SOILS**

Map Unit Name (Series and Phase): *N/A*  
 Taxonomy (SubGroup): *N/A*  
 Drainage Class: *mud*  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-8	<i>A<sub>p</sub></i>	<i>10YR 2/1</i>	<i>none</i>	<i>none</i>	<i>fgl</i>
8-18	<i>B<sub>w</sub></i>	<i>10YR 4/4</i>	<i>none</i>	<i>none</i>	<i>fgl</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Wetland  
 IL 923 A Conts

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/22/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes    No Is the site significantly disturbed (Atypical Situation)?    Yes    No Is the area a potential Problem Area?                      Yes    No (If needed, explain on reverse.)	Community ID: <i>REO</i> Transect ID: Plot ID: <i>IL 923 A Conts 861</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover:      Tree: <i>85.5</i> Shrub: <i>67.0</i> Herb: <i>85.5</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>BIR Cherry</i>	<i>Shrub</i>	<i>FACW</i>	10.		
3. <i>Touch me Not</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Interrupted Fern</i>	<i>Herb</i>	<i>FACW</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/4-76</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>none</i>  Depth to Free Standing Water in Pit (in.): <i>surface</i>  Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:  <i>Adjacent standing H2O puddle</i>	

Date: 5/21/06  
 Community ID:  
 Plot ID:

IC 923 - Wetland 85-1

**SOILS**

Map Unit Name  
 (Series and Phase): N/A

Drainage Class: PD

Taxonomy (SubGroup): s/r

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	Ap	10YR 4/4	None	None	FSL
12-16+	Bw <sub>1</sub>	10YR 4/2	10YR 4/6	Few/Med/Dist.	FSL

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

Area receives runoff from adjacent farm field. thick layer of 10YR 4/4 in Ap. Recent heavy rain events may exaggerate hydrology indicators

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Upland

IC 923 D Gards

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BR	Date: 5/22/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PEO Transect ID: Plot ID: IC 923 Agency 802

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 85.5 Shrub: 36.0 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Beech	Tree	FACU	9.		
2. Sugar maple	Tree	FACU	10.		
3. Bit cherry	Shrub	FACU	11.		
4. Beech	Shrub	FACU	12.		
5. Mayflower	Herb	FAC-	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):                  ___ Stream, Lake, or Tide Gauge                  ___ Aerial Photographs                  ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: none</p> <p>Primary Indicators:                  ___ Inundated                  ___ Saturated                  ___ Water Marks                  ___ Drift lines                  ___ Sediment Deposits                  ___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):                  ___ Oxidized Root Channels in Upper 12 inches                  ___ Water-Stained Leaves                  ___ Local Soil survey Data                  ___ FAC-Neutral Test                  ___ Other (Explain in Remarks)</p>
<p>Field Observations:                  Depth of Surface Water (in.): none                  Depth to Free Standing Water in Pit (in.): &gt;16"                  Depth to Saturated Soil (in.): &gt;16"</p>	
Remarks:	

Date: 5/22/06  
 Community ID: 970  
 Plot ID:

IC 923 Dykes - 862

**SOILS**

Map Unit Name  
 (Series and Phase): N/A

Drainage Class: mwd

Taxonomy (SubGroup): T/A

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	Dp	10YR 3/2	None	None	FR
4-16	Gw <sub>1</sub>	10YR 4/6	None	None	FR

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>PE, IV AL, DO</u>	Date: <u>8.25.06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>OH 1204 A-SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO</u> Percent Canopy Cover: Tree: <u>45%</u> , Shrub: <u>20%</u> , Herb: <u>95%</u> , Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sphagnum moss</u>	<u>H</u>	<u>OBL*</u>	9. <u>Betula alleghaniensis</u>	<u>T</u>	<u>FAC</u>
2. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Vaccinium myrtilloides</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>B. populifolia</u>	<u>Sap</u>	<u>FAC</u>	14.		
7. <u>Acer rubrum</u>	<u>Sap</u>	<u>FAC</u>	15.		
8. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>8/9 = 750%</u> .					
Remarks: <u>Refer to determination remarks regarding vegetation characteristics and topography.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>TOPO/DEC</u> <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 8-25-06  
 Community ID: PFO1  
 Plot ID: OH 1204A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	-	-	-	Organic Fabric
2-6	A	7.5YR 2.5/1	-	-	mixy Sandy loam
6-12	B <sub>1</sub>	10YR 7/1	-	-	Sand
12-16	B <sub>2</sub>	10YR 4/3	-	-	Loamy Sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: Refusal at 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks Photo 1 => E  
 Landscape includes hummock and hollow micro topography. Low relief with topo however very dramatic with herbaceous manifestation.



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: PF, JV, AL, DO	Date: 8.25.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: OH 1004 A-55a

**VEGETATION**

Plant Community Classification: Open woods  
 Percent Canopy Cover: Tree: 60% Shrub: 40 Herb: 80 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Pteridium aquilinum</i>	H	FACU	9. <i>A. rubrum</i>	T	FAC
2. <i>Den Den</i>	H	FACU	10. <i>B. alleghaniensis</i>	T	FAC
3. <i>Clintonia borealis</i>	H	FAC	11. <i>P. grandidentata</i>		FACU
4. <i>Vaccinium myrtilloides</i>	H	FAC	12.		
5. <i>A. rubrum</i>	S	FAC	13.		
6. <i>Corylus cornuta</i>	S	FACU-	14.		
7. <i>A. rubrum</i>	S	FAC	15.		
8. <i>B. alleghaniensis</i>	S	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 7/11 > 50%.

Remarks: Topography includes low relief slope with very shallow hummocks and hollows which influence vegetation presence

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC/TOPD</u> <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NONE</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NONE</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 8.25.06  
 Community ID: Upland  
 Plot ID: 0H1204 A SSA

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	-	-	-	Fibric organics
2-4	A	2.5YR 2.5/1	-	-	Loam
4-6	B	7.5YR 6/2	-	-	Fine Sand

Hydro Soil Indicators None

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal e<sub>0</sub>"  
 Soils are very shallow followed by bedrock. Fractured bedrock observed in soil sample.  
 \* proto-spodic

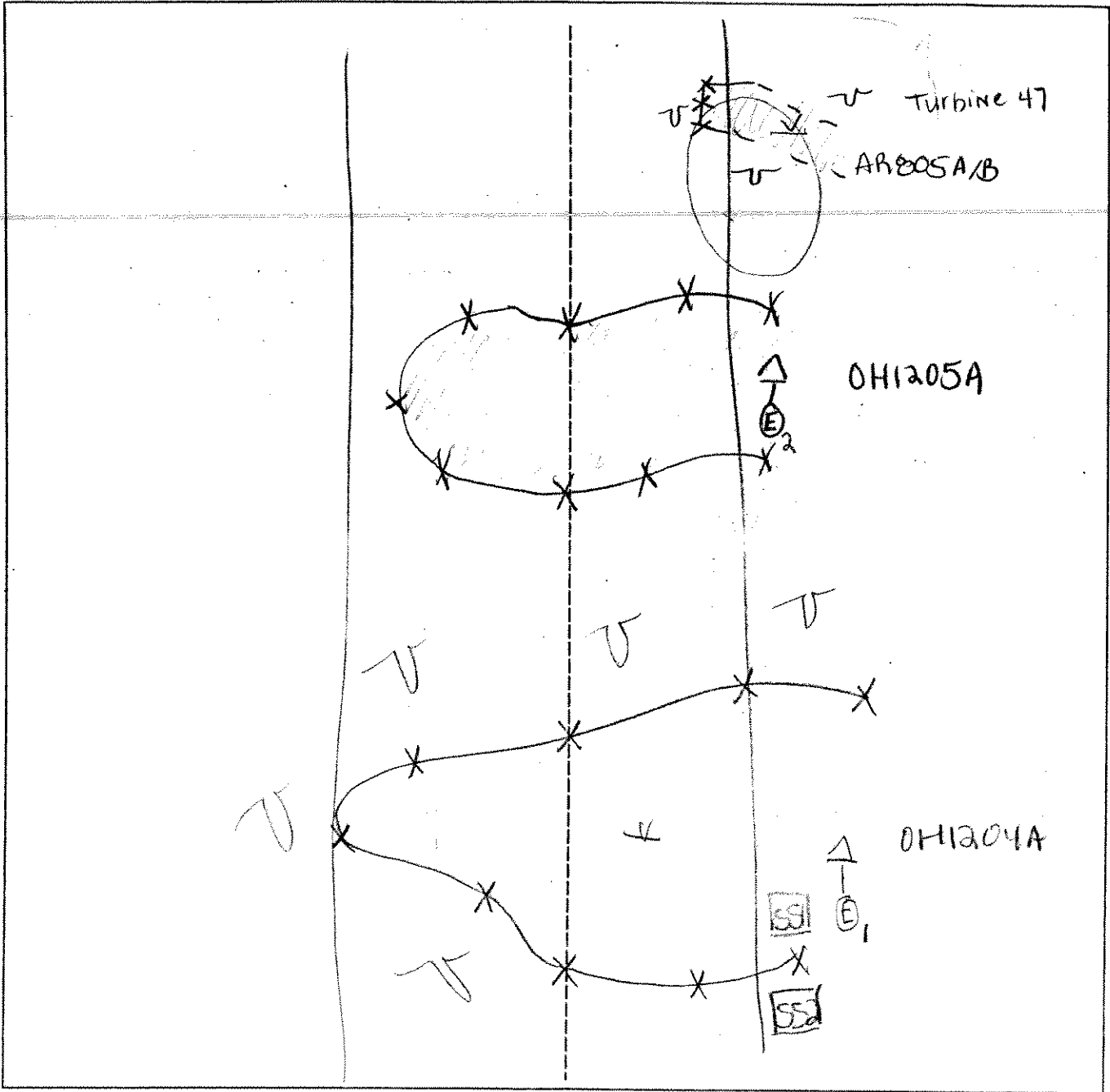
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks \

SKETCH FORM

Wetland ID/Route #: <b>OH1204A, 1205A, AR805A/B</b>	Date: <b>8-25-06</b>	Time:
Initials of Delineators: <b>PF, JV, AL, DO</b>	Location: <b>OH from LaFrancis Rd East</b>	
Roll #: <b>1</b>	Frames: <b>1 =&gt; E</b>	<b>2 =&gt; E</b>



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: AG, PF <span style="margin-left: 50px;">JV, DD</span>	Date: 8.25.00 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: OH1205A-SSI

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: Rep plot; refer to data i.d. OH1204A SSI					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: Rep plot; Refer to data i.d. OH1204A SSI	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>PE, AG JV, DO</u>	Date: <u>8-25-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>upland</u> Transect ID: Plot ID: <u>OH1205 A-SS2</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Representative plot Refer to data i.d. OH1204A-SS2</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Rep plot; refer to data i.d. OH1204A-SS2</u>	

Date: 8-25-06  
 Community ID: Bipland  
 Plot ID: OH1205A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: Rep plot, refer to data i.d. OH1204 A-SS2

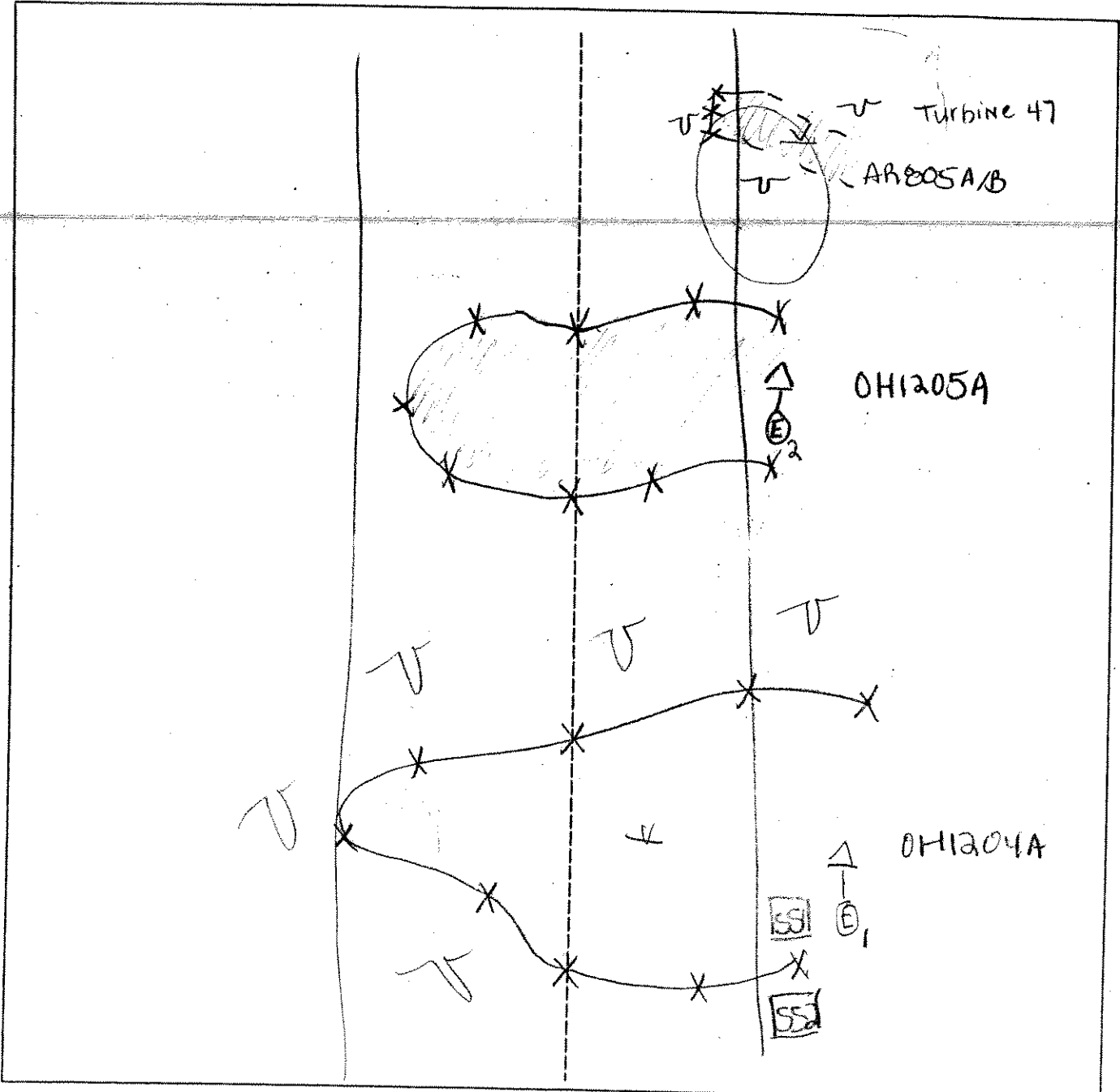
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks: Rep plot, refer to data i.d. OH1204 A-SS2

SKETCH FORM

Wetland ID/Route #: OH1204A, 1205A, AR805A/B	Date: 8.25.06	Time:
Initials of Delineators: PF, JV, AL, DO	Location: OH from La Francis Rd East	
Roll #:	Frames: 1 => E, 2 => E	



**Legend**

Photo Location/Direction	Wetland	← N
Sample Station	Upland	
Centerline	Stream	
Flag	Intermittent Stream	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: PE, IV AL, DO	Date: 8.25.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: OH 1204 A-SS1

**VEGETATION**

Plant Community Classification: PFO					
Percent Canopy Cover: Tree: 45% Shrub: 20% Herb: 45% Vine: 0%					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sphagnum moss	H	OBL*	9. Betula alleghaniensis	T	FAC
2. Pteridium aquilinum	H	FACU	10.		
3. Vaccinium myrtilloides	H	FAC	11.		
4. Betula populifolia	S	FAC	12.		
5. Acer rubrum	S	FAC	13.		
6. B. populifolia	Sap	FAC	14.		
7. Acer rubrum	Sap	FAC	15.		
8. A. rubrum	T	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 8/9 = 750%.					
Remarks: Refer to determination remarks regarding vegetation characteristics and topography.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPO/DEC <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): N/A  Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 8-25-06  
 Community ID: PFO1  
 Plot ID: 0H 1204 A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	-	-	-	Organic Fabric
2-12	A	7.5YR 2.5/1	-	-	mixy Sand/loam
6-12	B <sub>1</sub>	10YR 7/1	-	-	Sand
12-16	B <sub>2</sub>	10YR 4/3	-	-	loamy Sand

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: Refusal at 16"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks Photo 1 => E  
 Landscape includes hummock and hollow micro topography. Low relief with topo however very dramatic with herbaceous manifestation.

OH 1205-A REP PLOT (SS2)

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>PF, JV, AL, DO</u>	Date: <u>8.25.06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>OH 1204 A-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Open woods</u>					
Percent Canopy Cover: Tree: <u>60%</u> Shrub: <u>40</u> Herb: <u>80</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Pteridium aquilinum</u>	H	FACU	9. <u>A. rubrum</u>	T	FAC
2. <u>Pen pen</u>	H	FACU	10. <u>B. alleghanensis</u>	T	FAC
3. <u>Clintonia borealis</u>	H	FAC	11. <u>P. grandidentata</u>		FACU
4. <u>Vaccinium myrtilloides</u>	H	FAC	12.		
5. <u>A. rubrum</u>	S	FAC	13.		
6. <u>Corylus cornuta</u>	S	FACU-	14.		
7. <u>A. rubrum</u>	S	FAC	15.		
8. <u>B. alleghanensis</u>	S	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>7/11 &gt; 50%</u>					
Remarks: <u>Topography includes low relief slope with very shallow hummocks and hollows which influence vegetation presence</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC/TOPD</u> <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NONE</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NONE</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 8.25.06  
 Community ID: Upland  
 Plot ID: OH1204 A SSA

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	-	-	-	Fibric organics
2-4	A	2.5YR 2.5/1	-	-	Loam
4-6	B	7.5YR 6/2	-	-	Fine Sand

Hydro Soil Indicators None

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: Refusal e<sub>6</sub>"  
 Soils are very shallow followed by bedrock. Fractured bedrock observed in soil sample.  
 \* proto-spodic

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks:

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IB JV</u>	Date: <u>10/16/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>ORI 1326 A, 1327 A, 1328</u> <u>1329 A/B/C/D</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:  <u>Rep plot; Refer to SA821</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:  <u>Rep plot; Refer to SA821</u>	

Date: 10/16/06

Community ID:

Plot ID: OH B26 A SSI  
1327, 1328, 1329 S52

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Rep Plot; Refer to SA 821

**WETLAND DETERMINATION**

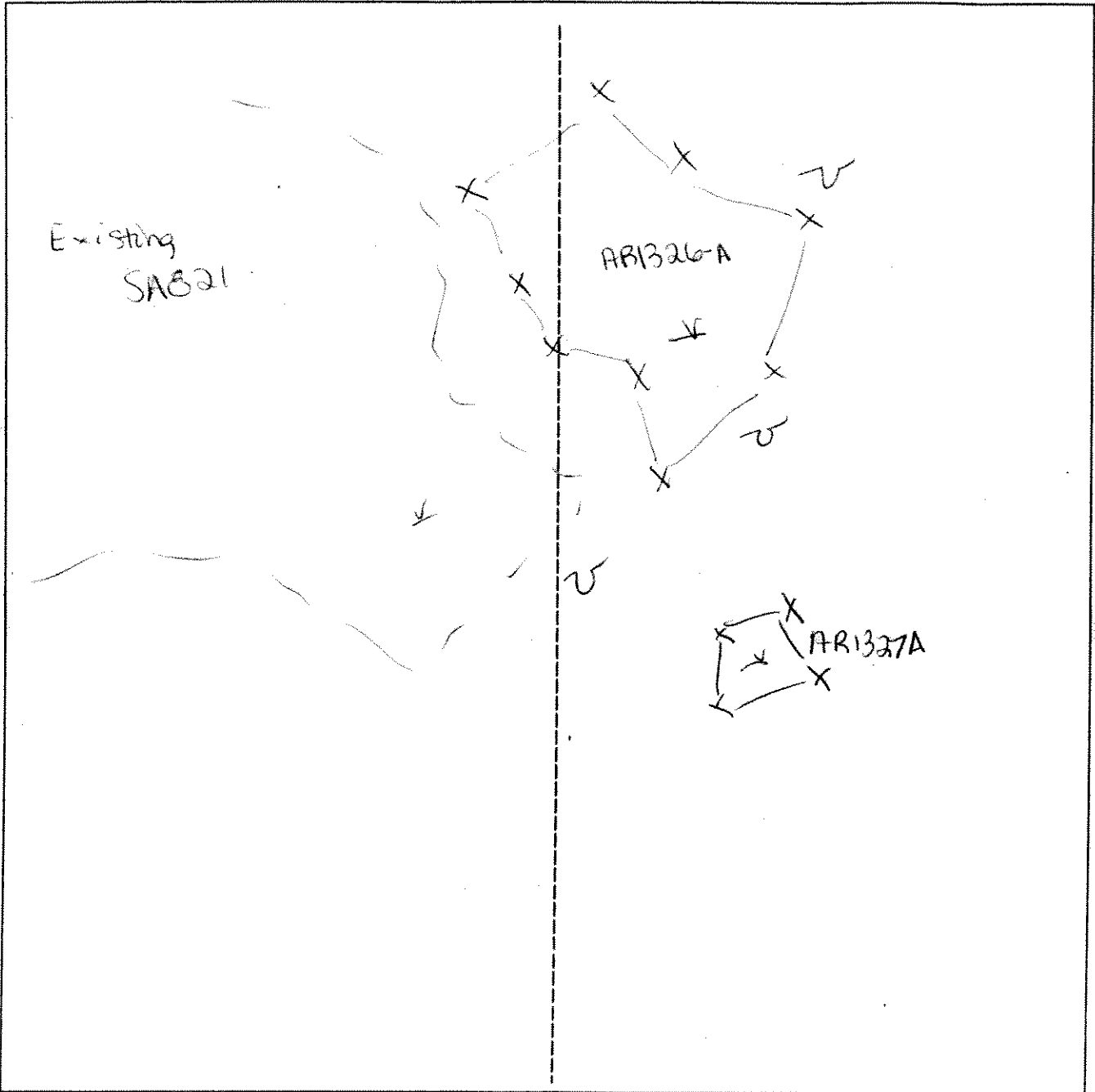
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Rep plot; Refer to SA 821

**SKETCH FORM**

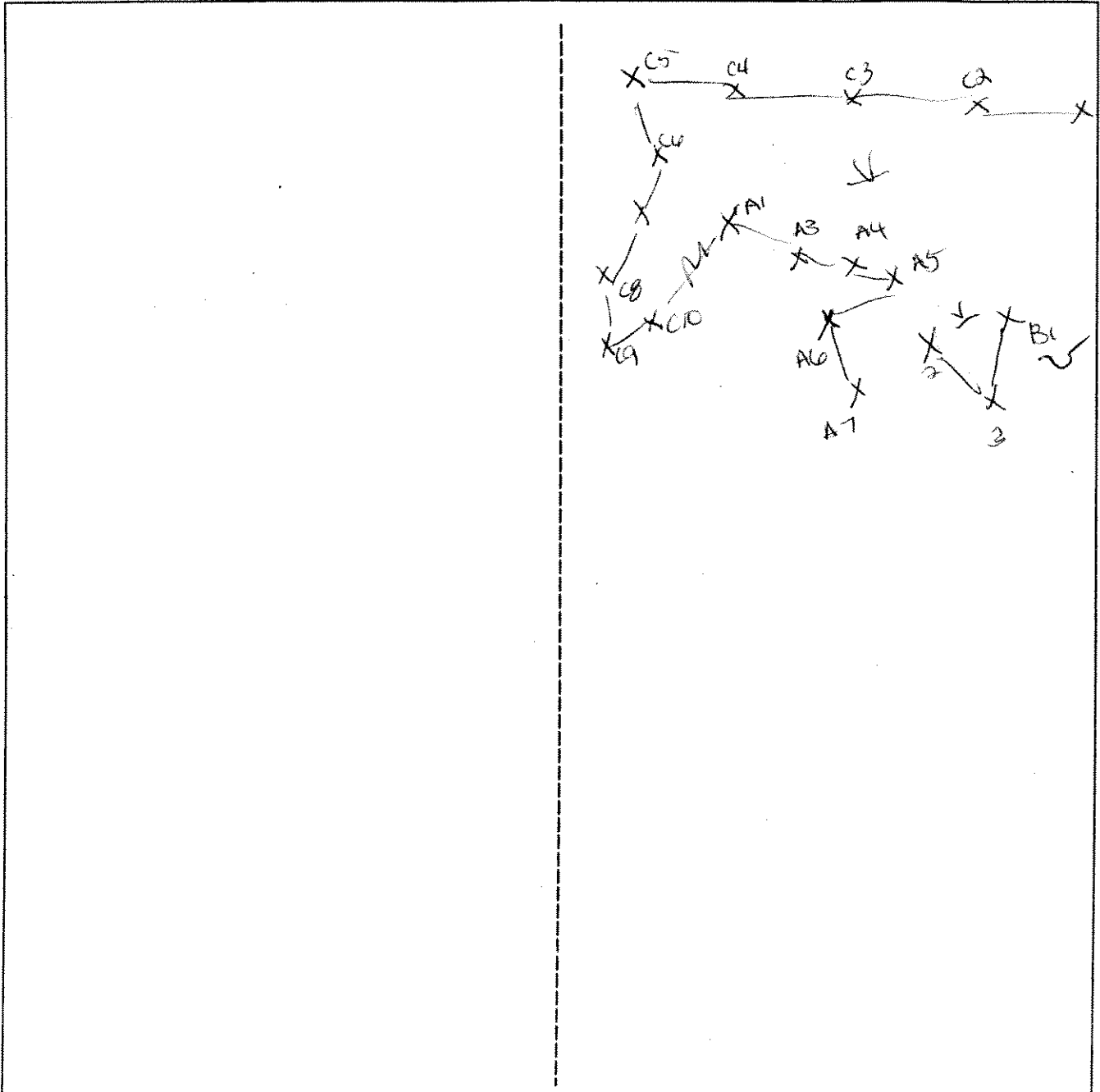
Wetland ID/Route #: <b>OH1326 A, 1327A</b>		Date: <b>10/16/06</b>	Time: <b>1330</b>
Initials of Delineators: <b>IB + JV</b>		Location: <b>OH by T. 47</b>	
Roll #:	Frames:		



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

### SKETCH FORM

<b>Wetland ID/Route #:</b> 0H1328 A/B/C/D	<b>Date:</b> 10/16/06	<b>Time:</b> 1700
<b>Initials of Delineators:</b> IB JV	<b>Location:</b> 0H Ex T. 47	
<b>Roll #:</b> <b>Frames:</b>		

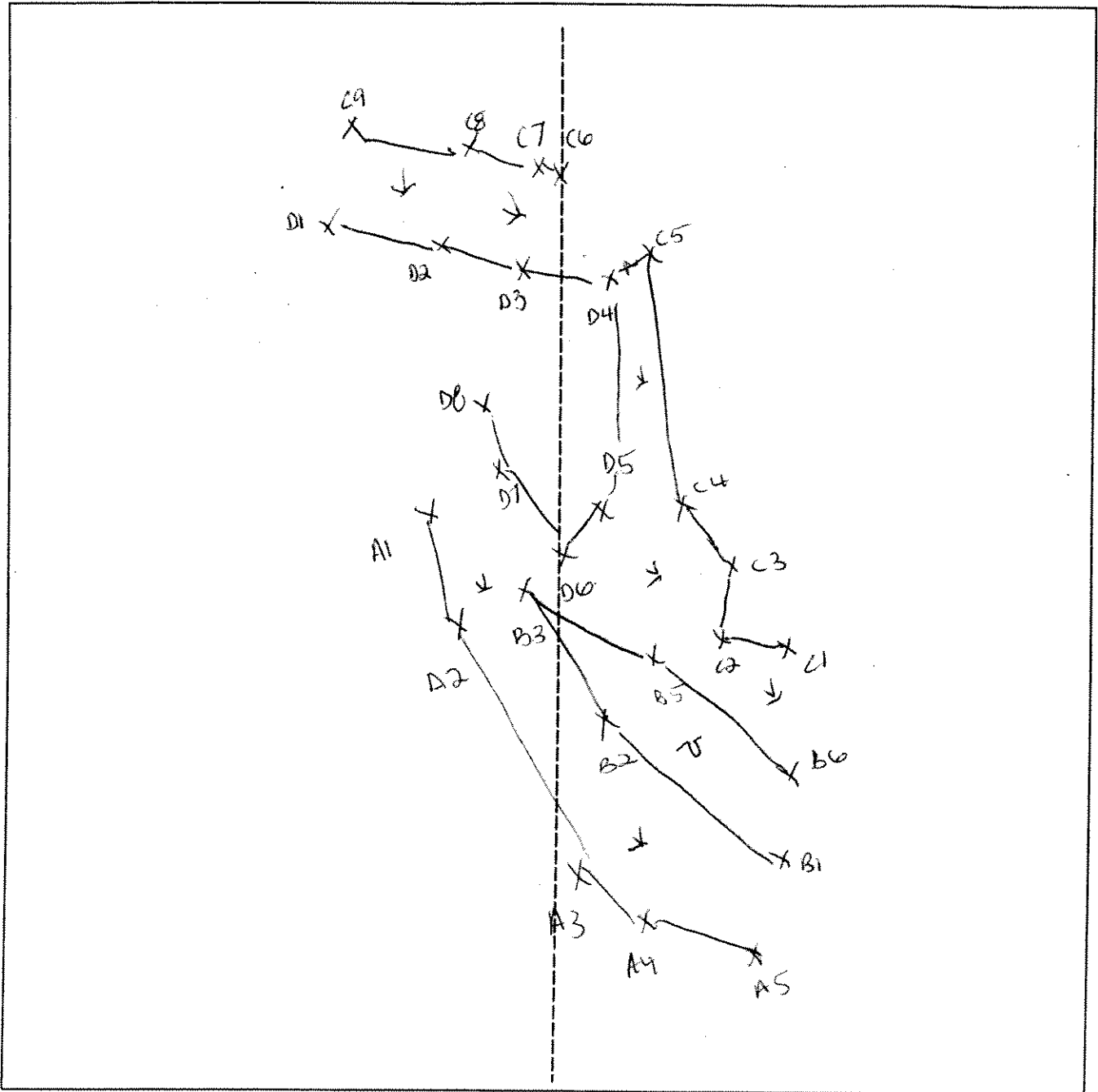


<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



### SKETCH FORM

<b>Wetland ID/Route #:</b> OH13209 A/B/C/D	<b>Date:</b> 10/16/06	<b>Time:</b> 1700
<b>Initials of Delineators:</b> IB JV	<b>Location:</b> OH by T.41	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

MKEP PLOT TO OH1326A  
 OH1327A  
 OH1328  
 OH1329A/B/C/D

DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: RJD JV	Date: 5.18.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: wetland Transect ID: Plot ID: SAB21A-SSI

VEGETATION

Plant Community Classification: PSS/PEN  
 Percent Canopy Cover: Tree: 10% Shrub: 60% Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. M. Sweet	S	FACW	9.		
2. Steeple bush	S	FACW	10.		
3. J. effusus	H	FACW	11.		
4. N. L. G. rod	H	FAC	12.		
5. Carex sp	H	-	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
 Grey Birch + Reed Canary occur in other portions of wetland

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 6+ " Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	
Remarks:	

APR 18 2006  
 APR 18 2006  
 APR 18 2006  
 APR 18 2006

Date: 5-18-06  
 Community ID: Wetland  
 Plot ID: SABA1A-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-5/1	7.5YR-4/6	Common/Med/Distinct	Sandy Loam
8-18	B	10YR-5/2	-	-	Sandy Loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Magnesium streaks on both horizon

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks

Photo # 4 => E at SS1

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>SAB21A-SSa</u>

**VEGETATION**

Plant Community Classification: <u>Mid Successional Pasture</u>					
Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>80%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Malus sp.</u>	<u>T</u>	<u>-</u>	9. <u>Uxarow</u>	<u>H</u>	<u>FACU</u>
2. <u>Service berry</u>	<u>S</u>	<u>FAC</u>	10. <u>Cow vetch</u>	<u>H</u>	<u>UPL</u>
3. <u>HB Bilkberry</u>	<u>S</u>	<u>FACU</u>	11. <u>B-Cup</u>	<u>H</u>	<u>FAC</u>
4. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	12. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>
5. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	13. <u>Hawthorn</u> &	<u>S</u>	<u>UPL</u>
6. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>	14.		
7. <u>Grass sp</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Hawkweed</u>	<u>H</u>	<u>UPL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>23%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
Field Observations:	
Depth of Surface Water (in.): <u>N/A</u>	
Depth to Free Standing Water in Pit (in.): <u>N/A</u>	
Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

\*

Date: 5-18-06  
 Community ID: Upland  
 Plot ID: SAB21A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR-3/3	—	—	Silt loam

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                       | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                  | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime          | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors    | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/>	

Remarks



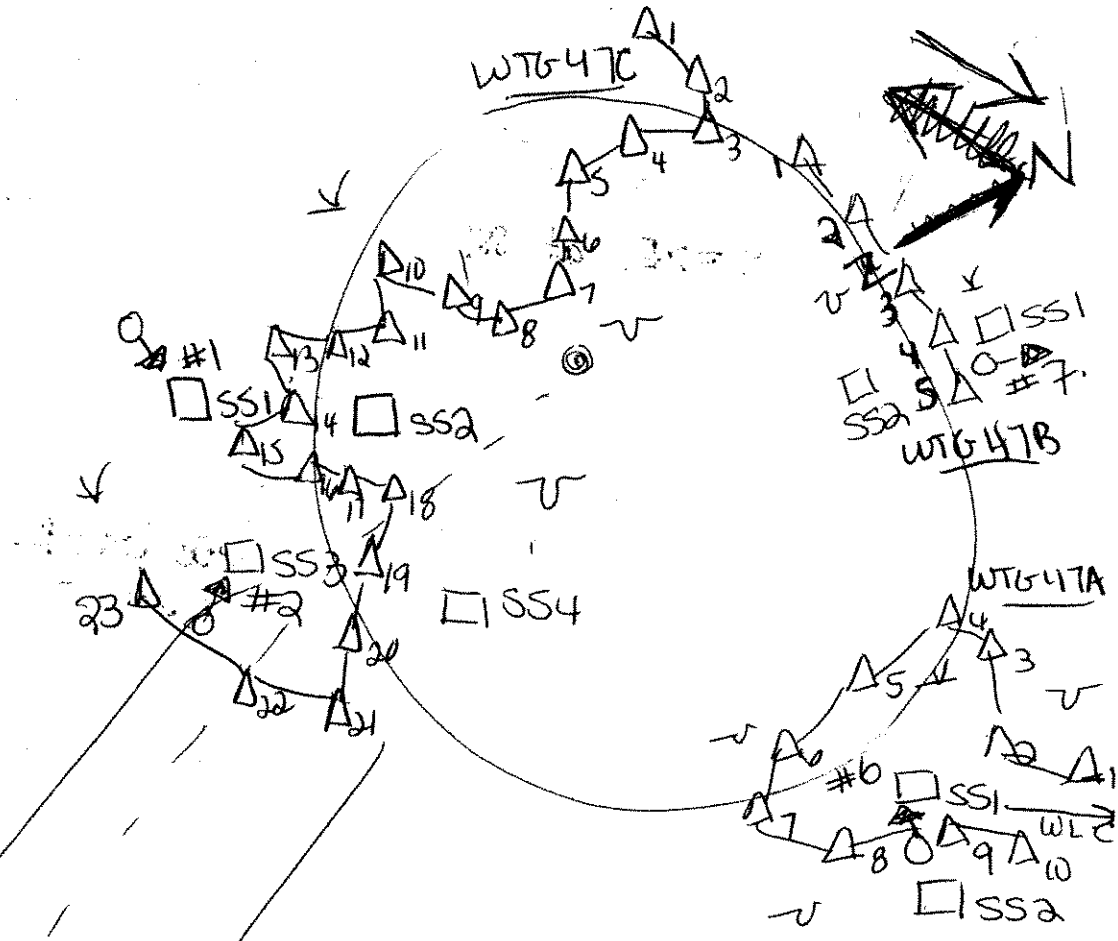
Access Rd

WTG-47C



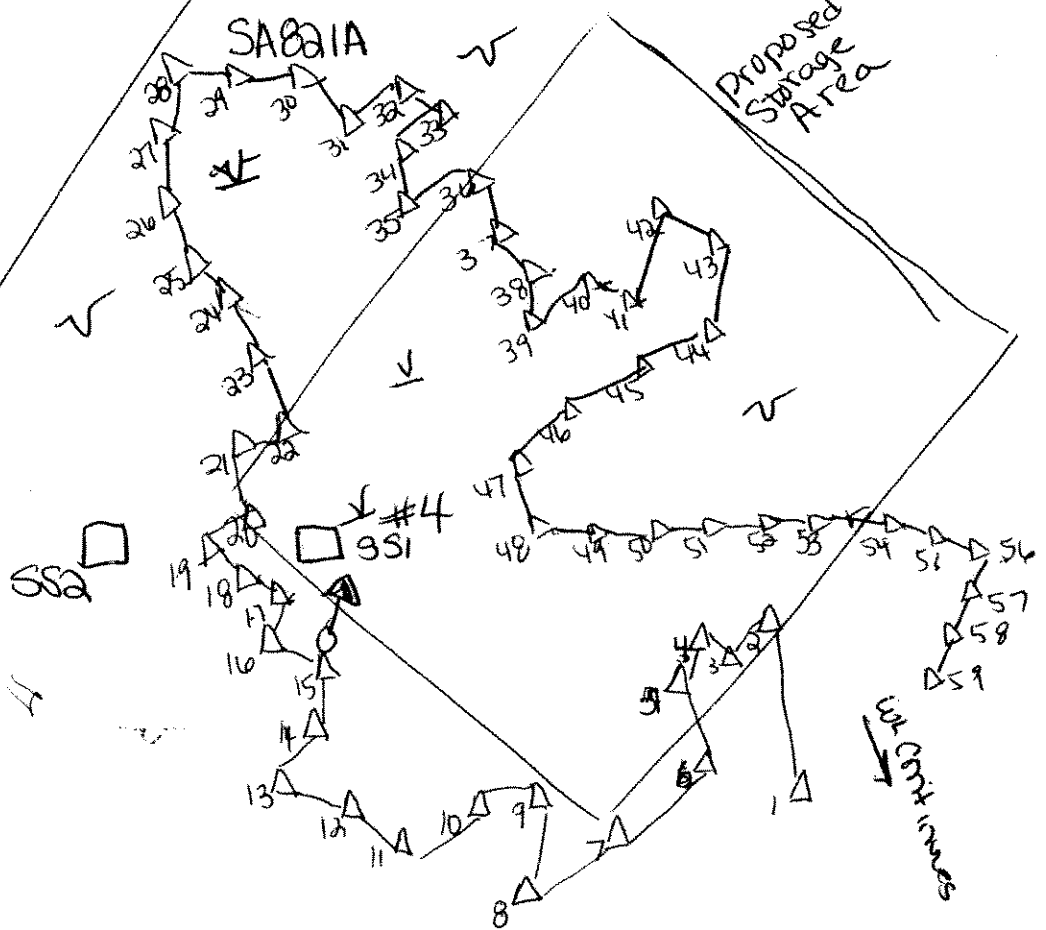
WTG-47B

WTG-47A



SABZIA

Proposed Storage Area



W/ CONT. LINES

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

NO. 100-10000

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PFD1/PT04/5 Transect ID: Plot ID: SAG21 A SSI

**VEGETATION**

Plant Community Classification: <i>Swamp</i>					
Percent Canopy Cover: Tree: 40 Shrub: 80 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2.			10.		
3. <i>Abies balsamea</i>	S	FAC	11.		
4. <i>Betula populifolia</i>	S	FAC	12.		
5. <i>Spirea tomentosa</i>	S	FACW	13.		
6. <i>Elythronium americanum</i>	H	FAC	14.		
7. <i>Scirpus</i> sp.	H	-	15.		
8. <i>Benny</i>			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50%.					
Remarks: Cont i.d species due to time of year					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated upper 12 <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): NA  Depth to Free Standing Water in Pit (in.): NA  Depth to Saturated Soil (in.): 10"	
Remarks:	

Date: 5/5/07  
 Community ID: PFO1/4/SS  
 Plot ID: 8A821A-SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/1			Organics
3-6	A	2.5Y 2.5/1			Silt loam
10-12	B	10YR 5/2			Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal @ 12" Manganese concentrations @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: photo - 5			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>W AP</u>	Date: <u>5/5/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>SABal A S82</u>

**VEGETATION**

Plant Community Classification: <u>early successional</u>					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>0</u> Herb: <u>10</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>None</u>			9.		
2. <u>Rubus balsama</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Microrhenum canadense</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Polygonum americ</u>	<u>H</u>	<u>FAC</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&gt; 50</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/07  
 Community ID: UR  
 Plot ID: SAGB A 552

**SOILS**

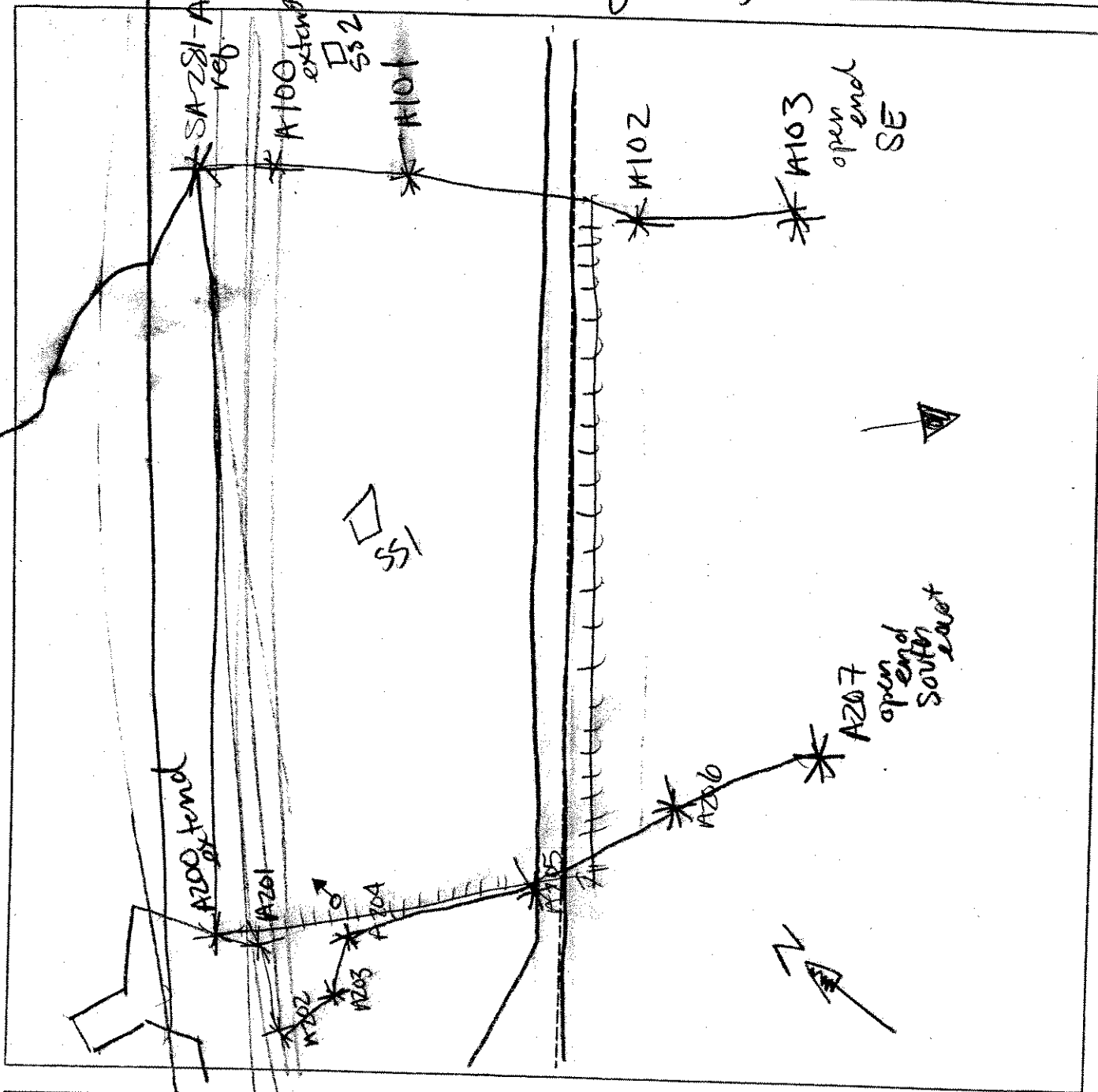
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			organics
3-6	A	10YR 2/1			Silty loam
6-12	B	10YR 4/2			Clay loam w/ sand
<b>Hydro Soil Indicators</b> <input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: Refusal @ 12'					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: SA821A		Date: 5 May 07	Time:
Initials of Delineators: JU: AP		Location: SA821A extend	
Roll #:	Frames: photo 8 by A204 facing North		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IB JV</u>	Date: <u>10/10/00</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>041330</u> <span style="float:right"><u>SSI</u> <u>SS2</u></span>

A/B

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:  <u>Rep plot; Refer to OH 1100</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:  <u>Rep plot; Refer to OH 1100</u>	

Date: 10/16/00

Community ID:

Plot ID: 041330 A/B SSI  
SSa

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Rep plot; Refer to 041100

**WETLAND DETERMINATION**

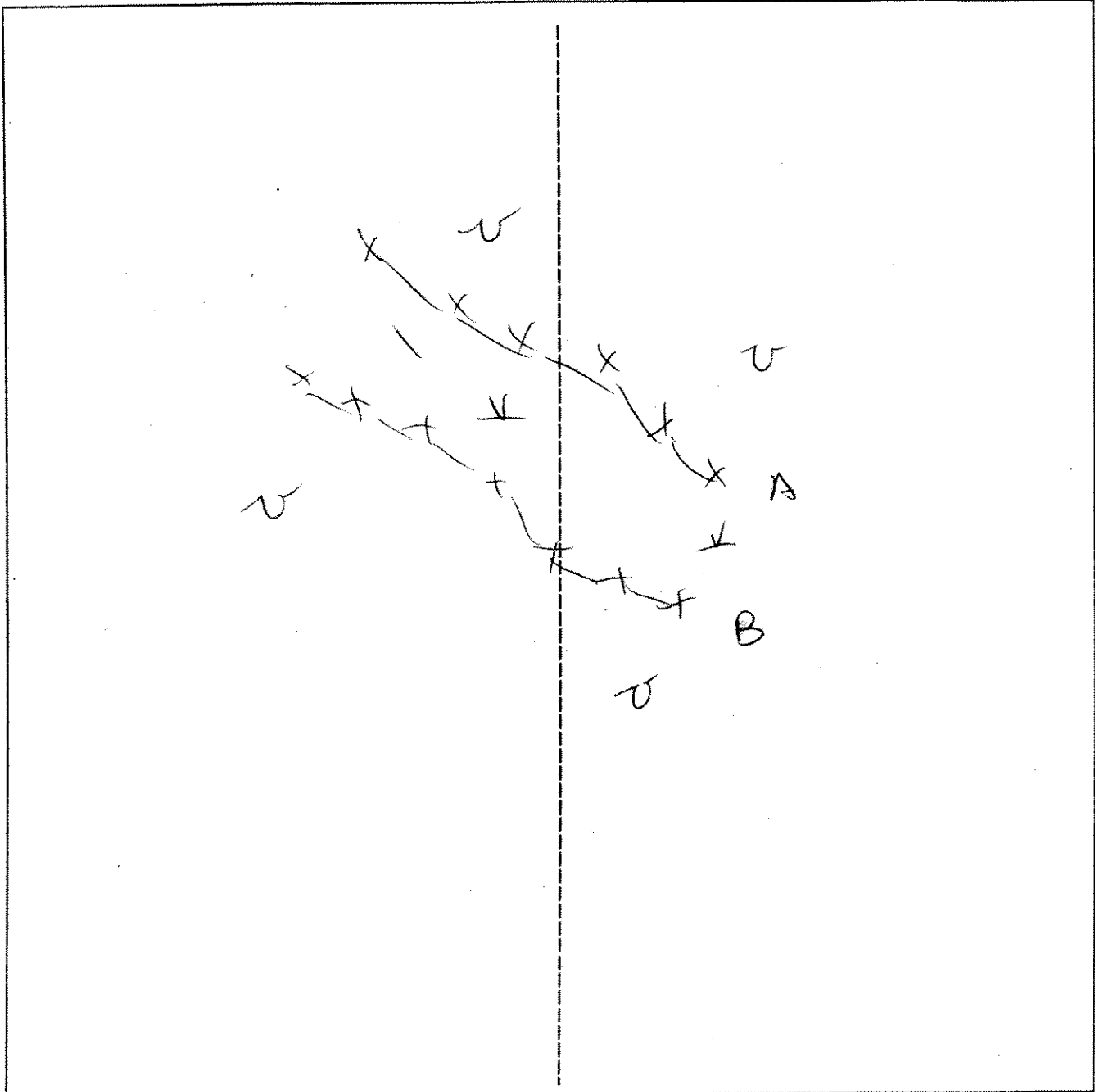
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Rep plot; Refer to 041100

**SKETCH FORM**

Wetland ID/Route #: <u>OH1330A/B</u>	Date: <u>10/16/06</u>	Time:
Initials of Delineators: <u>IB+JV</u>	Location: <u>OH from Gagner to S</u>	
Roll #:	Frames:	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>PF, JV</u>	Date: <u>8-23-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO1</u> Transect ID: Plot ID: <u>0H-1100A-SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO1</u>					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>10</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9. <u>P. rubens</u>	<u>S</u>	<u>FACU</u>
2. <u>Abies balsamæ</u>	<u>T</u>	<u>FAC</u>	10. <u>P. occidentalis</u>	<u>S</u>	<u>FACW</u>
3. <u>Thuja occidentalis</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>Solidago rugosa</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Lycopus sp.</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Fragaria virginiana</u>	<u>H</u>	<u>UPL</u>	14.		
7. <u>A. balsamæ</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>T. occidentalis</u>	<u>S</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>68</u> <u>750%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>TOPO / DEC</u> <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NONE</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 8-23-06  
 Community ID: PFO1  
 Plot ID: OH-1100A-SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type?  Yes  No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2	-	-	fine sandy loam
4-7	B	7.5YR 5/3	7.5YR 6/8	abundant, medium, prominent	" " "
8-10 (refusal)	↓	3.5YR 4/4	7.5YR 5/6	abund/med/prom	silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Soil characteristics have been disturbed due to Agriculture practices. Some topsoil possibly removed by erosion from tilling. Underlying hydric soil observed near surface. Shallow soil and bedrock near surface contribute to refusal at

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks: Previous cultivation, current cattle grazing have contributed to conditions that alter soil characteristics. Cultivation practices resulted after land clearing.

1 photo => S



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: P. Fairbairn, JV	Date: 8.23.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: OH-1100-A SS2

**VEGETATION**

Plant Community Classification: Early Successional open field Percent Canopy Cover: Tree: 0 Shrub: <5 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Polygonum persicaria	H	FACU	*9. Betula populifolia	S	FAC
2. Ambrosia artemisiifolia	H	FACU	10. Lycopus uniflorus	H	
3. Achillea millefolium	H	FACU	11.		
4. Plantago minor	H	FACU	12.		
5. Leontodon autumnalis	H	FACU	13.		
6. Polygonum aviculare	H	FACU-	14.		
7. Poa pratensis	H		15.		
* 8. Thuya occidentalis	S	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: * T. occidentalis + B. populifolia are <5% of dominance plants present. They do however occur more prevalent in WL plot. * possibly of P. pratensis					

**HYDROLOGY**

Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPO <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NONE Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NONE  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 8-23-06  
 Community ID: Upland  
 Plot ID: OH-1100-A SSA

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	7.5YR 3/3			Fine Sandy loam
10-12	B	10YR 4/3			fine Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal @ 12". very compacted soil in pasture / grazed field. Loose rocks occur throughout landscape both exposed and just under soil. Surface < 50% mottles occur at 10" and lower but not significant to determine wetland soil.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/>	<input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/>	<input checked="" type="radio"/>	
Hydric Soils Present?	Yes	<input type="radio"/>	<input checked="" type="radio"/>	
Remarks: Soils within the first 100' south of tree line also observed Upland features of high Chroma and < 50% reduction. Approximately 75% of upland plot occurs within the pasture versus forested areas.				



Date: 11/6/06  
 Community ID: FFD/0PL  
 Plot ID: OH1350 A/B

551  
 552

OH1351 A  
 OH1355 A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Rep plot, Refer to OH1203 A (OH1350-A/B)

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

Rep plot ; Refer to OH1203 A (OH1350-A/B)

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>AL, PP</u>	Date: <u>8-24-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PFO</u> Transect ID: Plot ID: <u>Wetland OH1303A-SS1</u>

Revised to OH1350 A/B

**VEGETATION**

Plant Community Classification: <u>PFO</u>					
Percent Canopy Cover: Tree: <u>55</u> Shrub: <u>60</u> Herb: <u>95</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Carex crinita</u>	<u>H-S</u>	<u>OBL</u>	9. <u>Betula populifolia</u>	<u>Sapling</u>	<u>FAC</u>
2. <u>Agrostis lateriflorus</u>		<u>FACW-</u>	10. <u>Amelanchier canadensis</u>	<u>↓</u>	<u>FAC</u>
3. <u>Rubus alleghaniensis</u>		<u>FACU</u>	11. <u>Fraxinus pennsylvanica</u>		<u>FACW</u>
4. <u>Solidago rigida</u>		<u>FAC</u>	12.		
5. <u>Ranunculus abortivus</u>	<u>↓</u>	<u>FAC+</u>	13.		
6. <u>Najasporites mucronatus</u>	<u>SH</u>	<u>FACW</u>	14.		
7. <u>Amelanchier canadensis</u>	<u>↓</u>	<u>FAC</u>	15.		
8. <u>Fraxinus americana</u>	<u>↓</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>8/11 = 75%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC/TOPO</u> ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>AL, PF, JV</u>	Date: <u>8-24-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>041203 A-SSa</u>

Revised to 041350 A/B

**VEGETATION**

Plant Community Classification: <u>Birch / Poplar Forest</u>					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>60</u> Herb: <u>75</u> / Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Rubus alleghaniensis</i>	H-S	FACU	9. <i>Betula pumila</i>	Sapling	FAC
2. <i>Aster lateriflorus</i>		FACW-	10. <i>Prunus serotina</i>	↓	FACU
3. <i>Vaccinium angustifolium</i>		FACU-	11. <i>Populus tremuloides</i>	T	FACU
4. <i>Solidago rigida</i>	↓	FAC	12. <i>Betula papyrifera</i>	↓	FACU
5. <i>Fraxinus pennsylvanica</i>	Shrub	FACW	13.		
6. <i>Nemophila mucronata</i>		FACW	14.		
7. <i>Amelanchier canadensis</i>		FAC	15.		
8. <i>Rubus alleghaniensis</i>		FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/12 = &lt;50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DECATOPO</u> <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NONE</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NONE</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 8 24 06  
 Community ID: Upland  
 Plot ID: 0H 1203 A-SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-7"	A	5YR 2.5/2			FINE Sandy Loam
7-10	A	7.5YR 3/1			" "
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

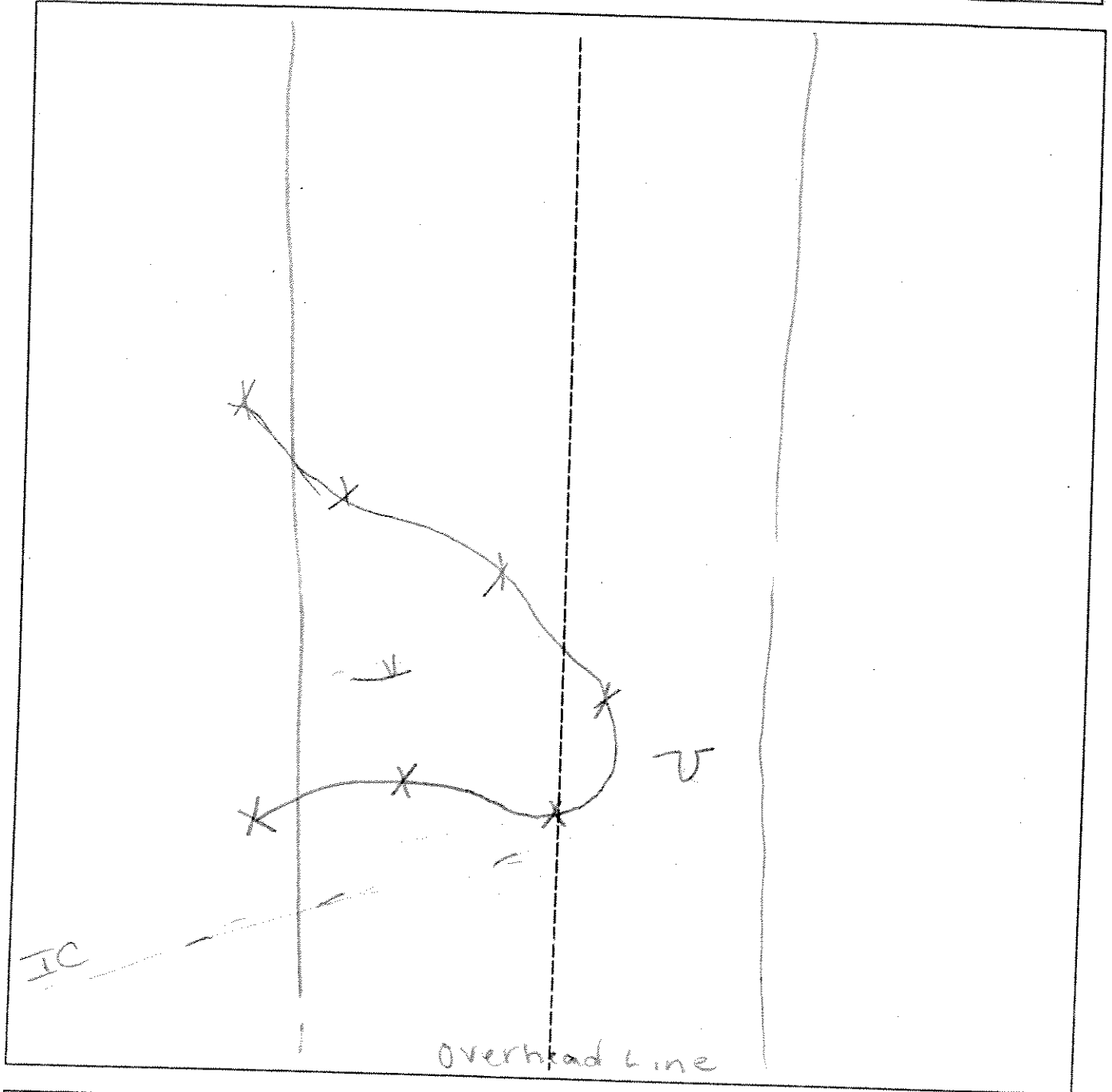
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			



SKETCH FORM

Wetland ID/Route #: OH1203A Revised to OH1350		Date: 8-24-00	Time:
Initials of Delineators: AL, PK		Location: OH From LaFrancis Rd	
Roll #:	Frames:		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IB JV</i>	Date: <i>11/16/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PFO 10 PL</i> Transect ID: Plot ID: <i>OH1352A - 551</i> <i>OH1353A - 552</i> <i>OH1354A -</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Herb:	
Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:  <i>Rep plot, Refer to OH1204 A / OH1205 A</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:  <i>Rep plot, Refer to OH1204 A / OH1205 A</i>	

Date: 11/15/00  
 Community ID:  
 Plot ID: OH1353 A  
 OH1353 A  
 OH1354 A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:  
 Depth (Inches)      Horizon      Matrix Color (Munsell Moist)      Mottle Colors (Munsell Moist)      Mottles Abundance/Size/Contrast      Texture, Concretions, Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

Rep plot; Refer to OH1204A / OH1205A

**WETLAND DETERMINATION**

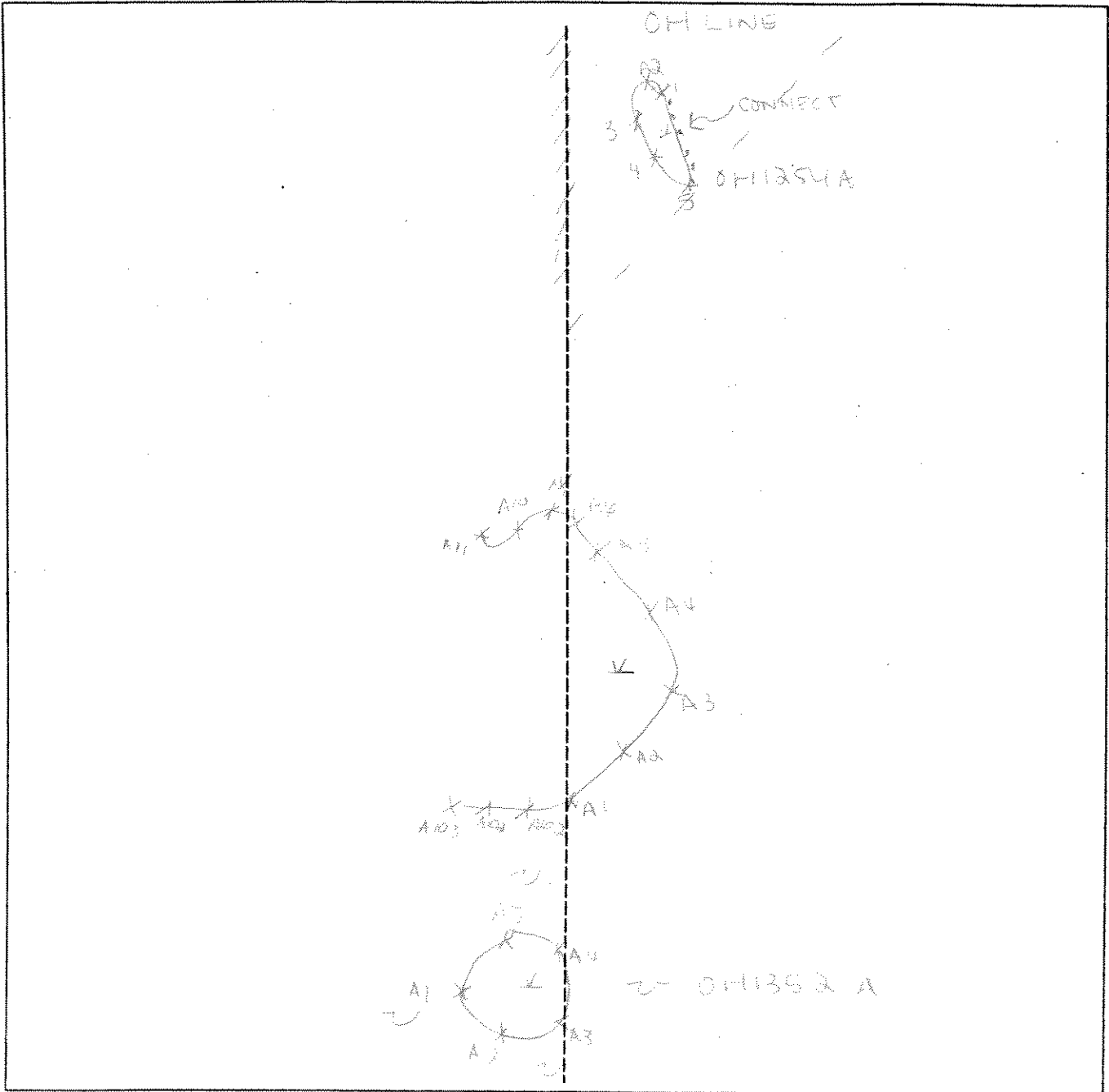
Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

Rep plot, refer to OH1204A / OH1205A

### SKETCH FORM

<b>Wetland ID/Route #:</b> OH1352 A, OH1353A, OH1354A	<b>Date:</b> 11/6/06	<b>Time:</b> 1130
<b>Initials of Delineators:</b> JB JV	<b>Location:</b> Off From La France Rd to E	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV IB	Date: 11/7/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: 0H1357A SSI 0H1358

**VEGETATION**

Plant Community Classification: PFO1 Percent Canopy Cover: Tree: 79 Shrub: 20 Herb: 60 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus</i>	T	FAC	9.		
2. <i>P. maritima</i>	T	FACU	10.		
3. <i>Poa. quadridentata</i>	T	FACU	11.		
4. <i>B. sp. multifolia</i>	T	FAC	12.		
5. <i>A. subulm</i>	S	FAC	13.		
6. <i>Sphagnum moss</i>	H	OAL	14.		
7. <i>Wetipodium</i>	H		15.		
8. <i>Pteridium aquilinum</i>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/8					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p><b>Wetland Hydrology Indicators:</b></p> <p><b>Primary Indicators:</b></p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns in Wetlands</p> <p><b>Secondary Indicators (2 or more required):</b></p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): NA</p> <p>Depth to Free Standing Water in Pit (in.): 5"</p> <p>Depth to Saturated Soil (in.): 0"</p>	
<p>Remarks:</p>	

Date: 11/7/06  
 Community ID: PFO1  
 Plot ID: 0H1357 A 551  
 0H1358

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-0	O	10YR 2/1	-		Fabric
0-2	A	2.5Y 6/4	5YR 5/8	Coarse/Dist/comm	Silt loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal of auger @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IB JV</u>	Date: <u>11/7/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>OH1357 A SS2</u> <u>OH1368</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous Forest</u> Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>20</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>
2. <u>P. strobus</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>P. grandidentata</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>O. serotina</u>	<u>S</u>	<u>FACU</u>	13.		
6. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Lycopodium</u>	<u>H</u>		15.		
8. <u>Heather moss</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NONE</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 11/7/00  
 Community ID: UPL  
 Plot ID: OH1357A SS2  
 OH1358

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
2-0	O	-	-	-	fibric
0-2	A	10YR 3/1	-	-	sandy loam
2-6	E	7.5YR 6/1	-	-	sandy loam
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal @ 8"					

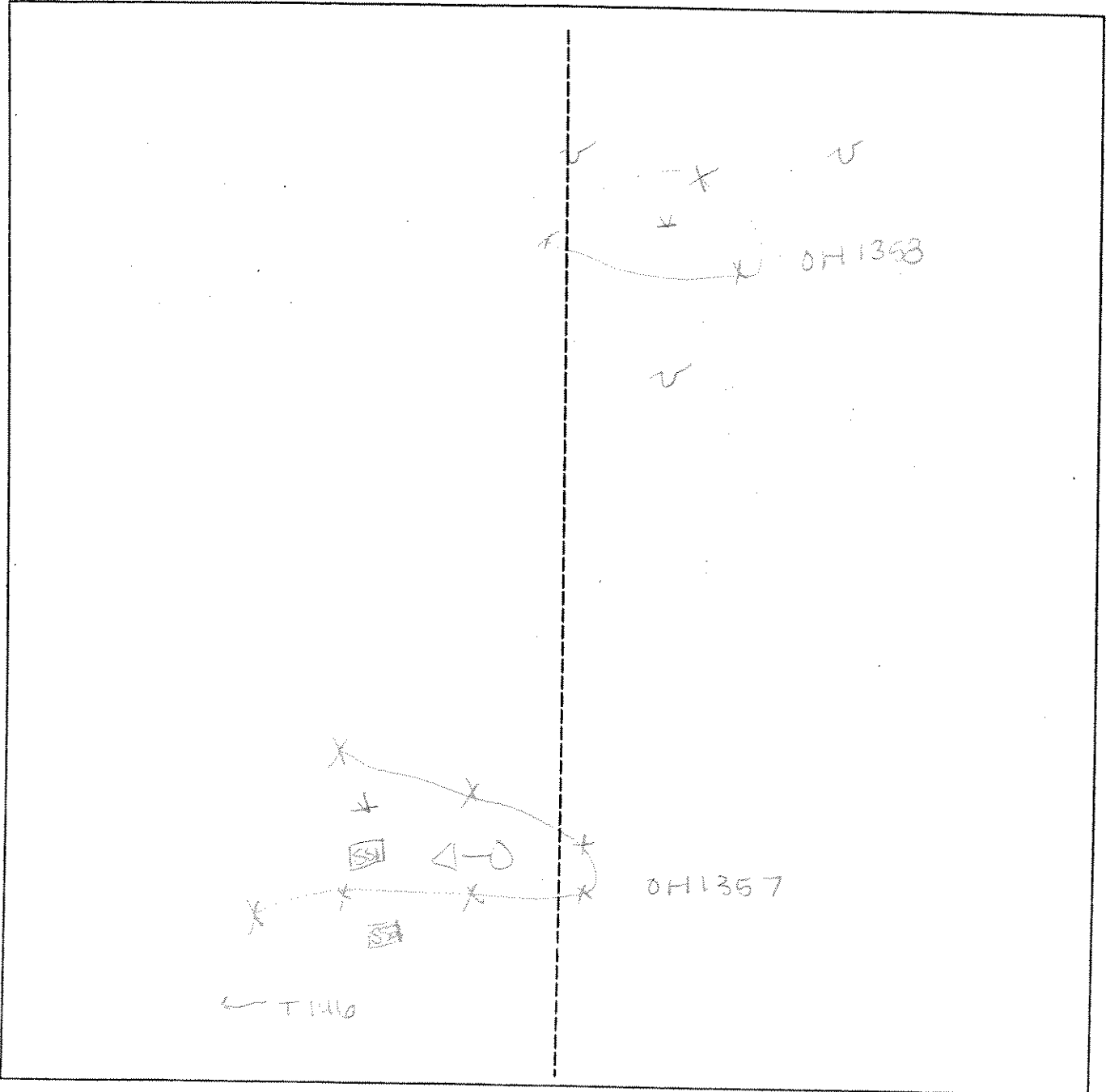
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			



**SKETCH FORM**

<b>Wetland ID/Route #:</b> OH1357A , OH1358A		<b>Date:</b> 11/7/60	<b>Time:</b> 1100
<b>Initials of Delineators:</b> IB JV		<b>Location:</b> OH From RR tracks to La Francis	
<b>Roll #:</b>	<b>Frames:</b>	N OF T 1417	



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV DR	Date: 9/12/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: PSS Transect ID: Plot ID: RW1103 ABSS1	

**VEGETATION**

Plant Community Classification: PSS  
Percent Canopy Cover: Tree: 70% Shrub: 60% Herb: 90% Vine: 60%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	T/S	FACW+	9.		
2. <i>Salix fragilis</i>	T/S	FACW+	10.		
3. Unk - grass	H	-	11.		
4. <i>Carex flava</i>	H	OBL	12.		
5. <i>Myosotis scorpioides</i>	H	OBL	13.		
6. <i>Lobelia cardinalis</i>	H	FACW+	14.		
7. <i>Bidens cennia</i>	H	OBL	15.		
8. <i>Eupatorium perfoliatum</i>	H	FACW+	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPO / DEC <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): n/a Depth to Free Standing Water in Pit (in.): n/a Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 9/12/06  
 Community ID: PSS  
 Plot ID: RW1163 A/B551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
1-12	A	10yR 2/2	10yR 5/2	Coarse, Common, Dist.	Sandy-Clay-Loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: RW 1163 - A/B - 551 North of Stream

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: Photo facing South			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV OR	Date: 9/12/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: upland Transect ID: Plot ID: RW1163 A/B 552

**VEGETATION**

Plant Community Classification: meadow					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Solidago odora	H	NL	9.		
2. Solidago canadensis	H	FACU	10.		
3. Phleum pratense	H	FACU	11.		
4. Asclepias syriaca	H	UPL*	12.		
5. Unk Grass	H	—	13.		
6. Arctium lappa	H	UPL	14.		
7. Galium mollugo	H	UPL*	15.		
8. Coronilla varia	H	UPL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0					
Remarks: * Not Listed, Assume UPL					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TPO/DEC <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: None Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 9/13/06  
 Community ID: Upland  
 Plot ID: RW1163A/B-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O				Fibric OM
1-10	A1	10YR 3/3			Fine Silt loam w/ roots
10-12	A2	10Y 3/3	10YR 5/6	Fine, Few, Distinct	Fine Silt loam w/ roots

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: "O" Layer - Observed Dense Roots

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>SAB21A-SSI</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM</u>					
Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>60%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Steeple bush</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>S. effusis</u>	<u>H</u>	<u>FACW+</u>	11.		
4. <u>N. L. g. rod</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Carex sp</u>	<u>H</u>	<u>-</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Grey Parich + Reed Canary occur in other portions of wetland</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>64"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-18-06  
 Community ID: Wetland  
 Plot ID: SA821A-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-5/1	7.5YR-4/6	Common/Med/Distinct	Sandy Loam
8-18	B	10YR-5/2	-	-	Sandy Loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Magnesium streaks on both horizon

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

Photo # 4 ⇒ E at SSI

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>SAB21A-SSA</u>

**VEGETATION**

Plant Community Classification: <u>Mid Successional / Pasture</u> Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>80%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Malus sp.</u>	<u>T</u>	<u>-</u>	9. <u>Uarow</u>	<u>H</u>	<u>FACU</u>
2. <u>Service berry</u>	<u>S</u>	<u>FAC</u>	10. <u>Cow vetch</u>	<u>H</u>	<u>UPL</u>
3. <u>HB Blackberry</u>	<u>S</u>	<u>FACU</u>	11. <u>B-cup</u>	<u>H</u>	<u>FAC</u>
4. <u>M-sweet</u>	<u>S</u>	<u>FACW</u>	12. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>
5. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	13. <u>Hawthorn</u> &	<u>S</u>	<u>UPL</u>
6. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>	14.		
7. <u>Grass sp</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Hawkweed</u>	<u>H</u>	<u>UPL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>23%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 5-18-06  
 Community ID: Upland  
 Plot ID: SAB21A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR-3/3	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

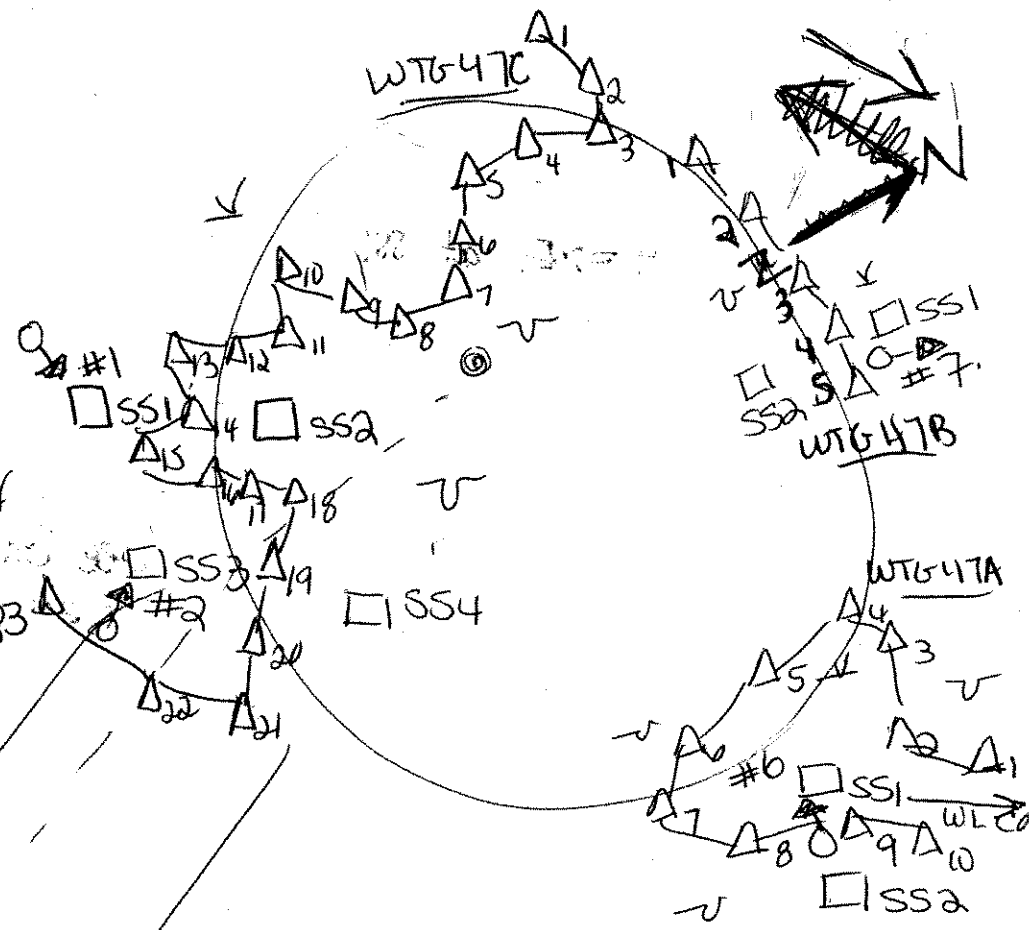
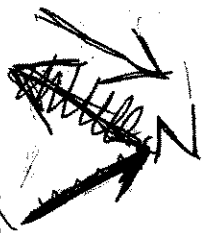
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

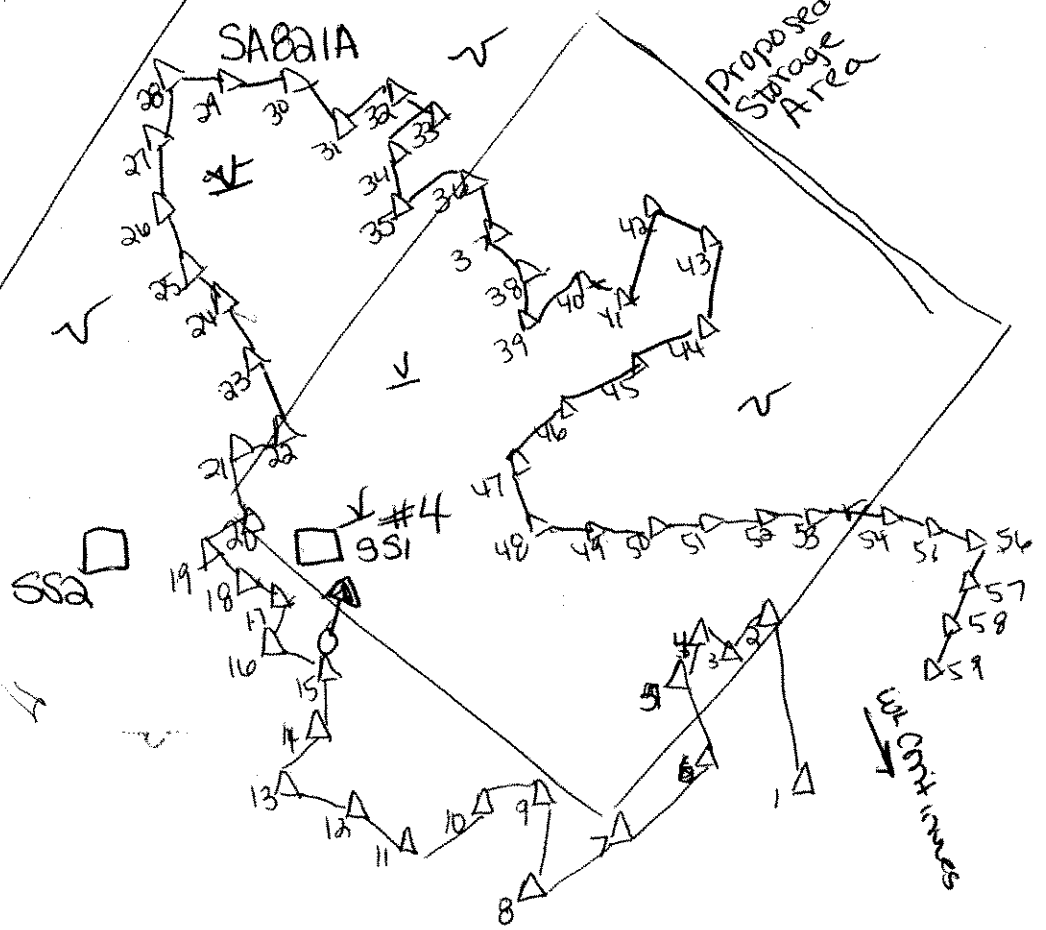
Access Rd

WTG 47C



SABDIA

Proposed Storage Area



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFD1/PFD4/55 Transect ID: Plot ID: S821 A SSI

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 40 Shrub: 80 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2.			10.		
3. Abies balsamea	S	FAC	11.		
4. Betula pumila	S	FAC	12.		
5. Spirea armentorum	S	FACW	13.		
6. Erythronium americanum	H	FAC	14.		
7. Scirpus sp.	H	-	15.		
8. Berry			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75%					
Remarks: Cont. i.d. species due to time of year					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated upper 12 <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): NA  Depth to Free Standing Water in Pit (in.): NA  Depth to Saturated Soil (in.): 10"	
Remarks:	

Date: 5/5/07  
 Community ID: PFO1/4/55  
 Plot ID: 8A8a1A-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/1			ORGANICS
3-6	A	2.5Y 2.5/1			silt loam
10-12	B	10YR 5/2			silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal @ 12"  
 Manganese concentrations @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> YES	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> YES	<input type="radio"/> No	

Remarks: photo - 5

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>W AP</u>	Date: <u>5/5/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>SAB21 A 552</u>

EXT

**VEGETATION**

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>0</u> Herb: <u>10</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2. <u>Ariz. balsama</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Erythronium americ.</u>	<u>H</u>	<u>FAC</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&gt; 50</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/07  
 Community ID: UR  
 Plot ID: SABB A 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			organics
3-6	A	10YR 2/1			silty loam
6-12	B	10YR 4/2			clay loam w/ sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal @ 12'

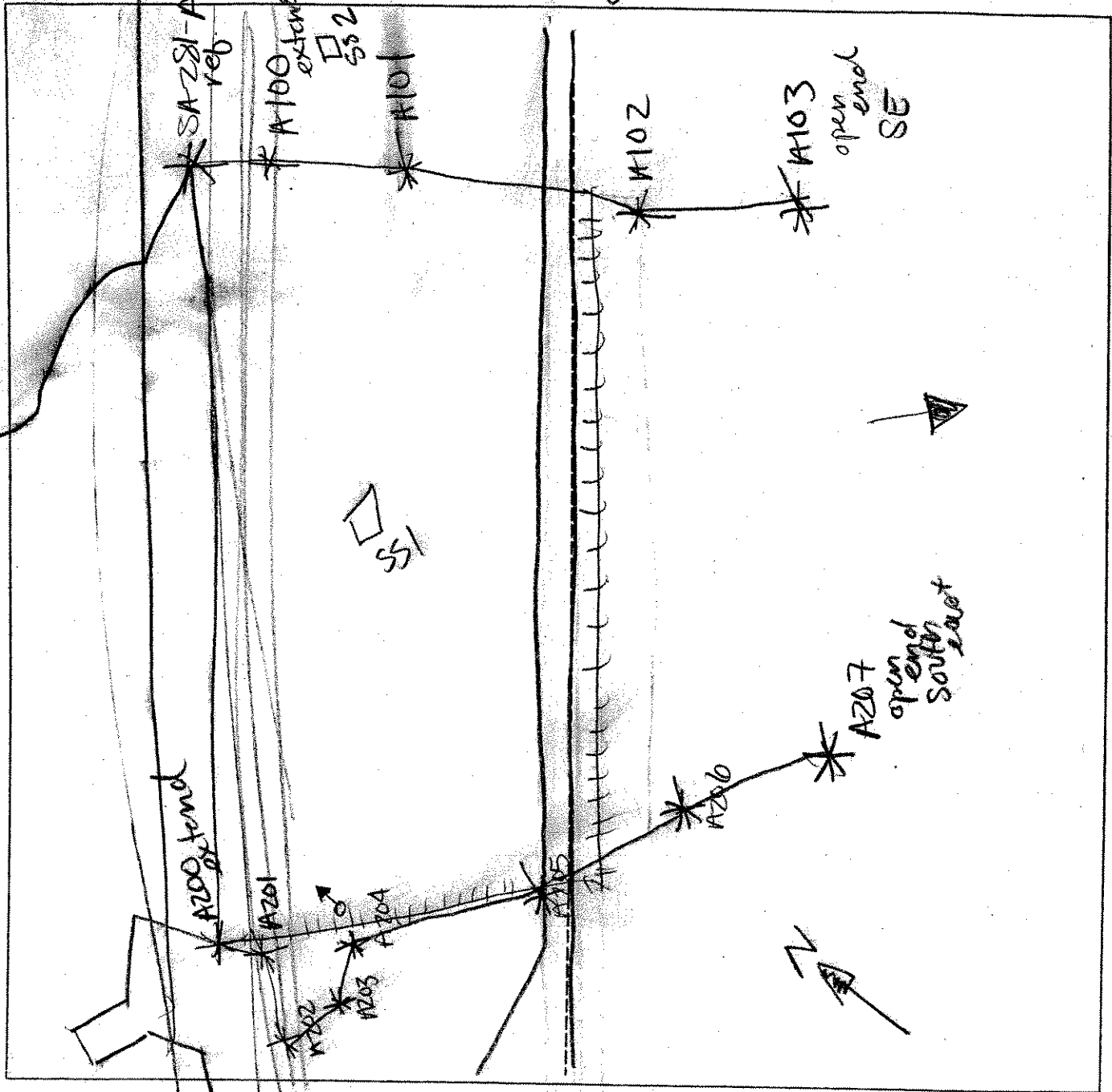
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

SKETCH FORM

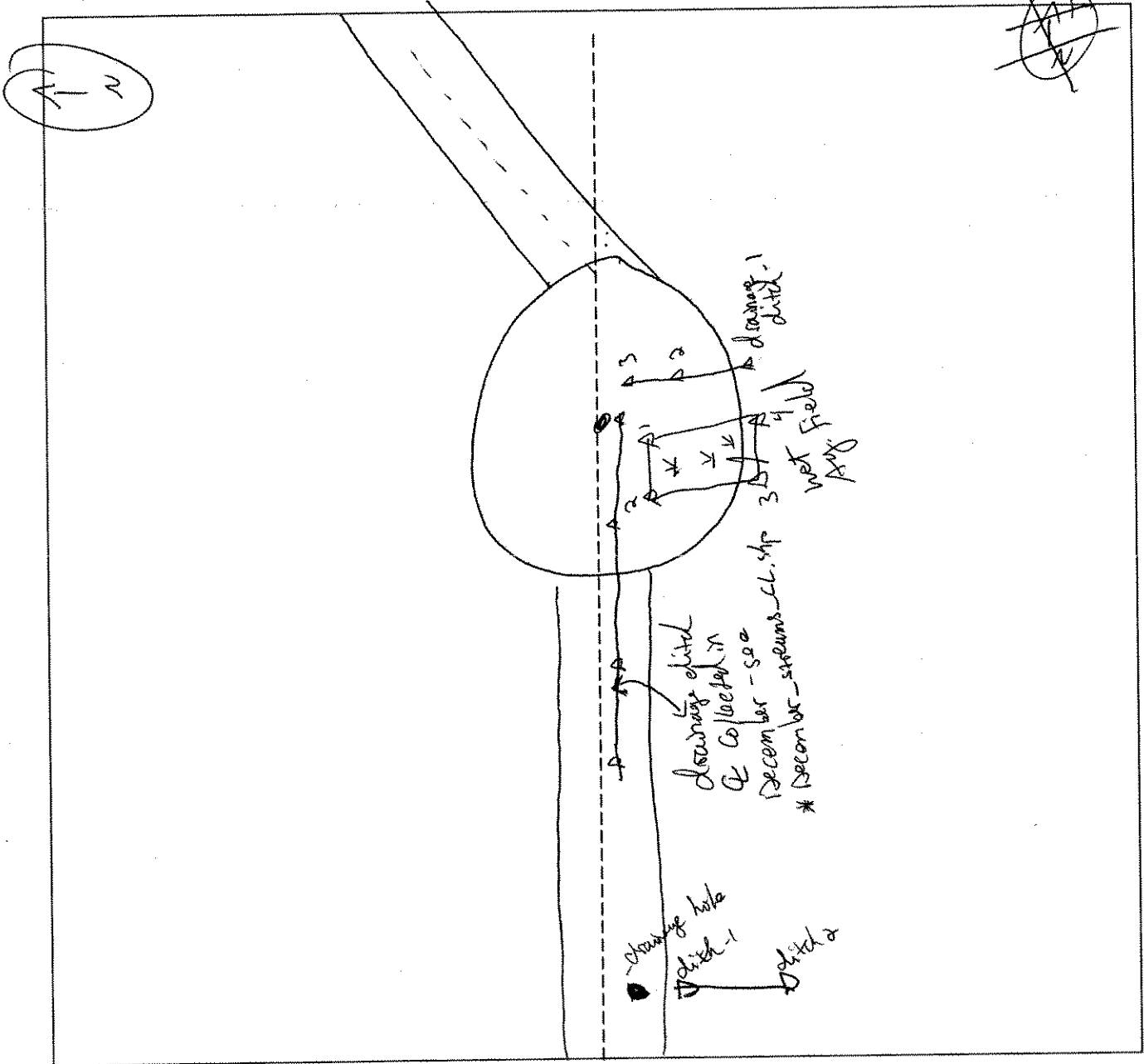
Wetland ID/Route #: SA821A EXT	Date: 5 May 07	Time:
Initials of Delineators: JU: AP	Location: SA821A extend	
Roll #:	Frames: photo 8 by A204 facing North	



Legend	
○ with arrow	Photo Location/Direction
□	Sample Station
- - -	Centerline
△	Flag
X	Wetland
U	Upland
	Stream
- . .	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <i>WTF wet field</i>	Date: <i>5/20 and 5/21</i>	Time: <i>(P. 1 of 2)</i>
Initials of Delineators: <i>BR, KJH</i>	Location: <i>WTF 206</i>	
Roll #: <i>134</i>	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	



# WTG-1 - PREVIOUS LOCATION (WTG1A, AR905)

## DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

WTG1-1  
Wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>KH, SD</i>	Date: <i>9/19/05</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS wetland</i> Transect ID: <i>WTG-1-1</i> Plot ID: <i>SSI</i>

### VEGETATION

Plant Community Classification: *PSS*  
 Percent Canopy Cover: Tree: *0* Shrub: *100* Herb: *75* Vine: *50*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silky willow</i>	<i>S</i>	<i>OBC</i>	9.		
2. <i>Scirpus Cuperianus</i>	<i>H</i>	<i>FACWT</i>	10.		
3. <i>Juncus Effusus</i>	<i>H</i>	<i>FACWT</i>	11.		
4. <i>Aster (Rush)</i>	<i>H</i>	<i>OBC</i>	12.		
5. <i>Carex Vulpinoides</i>	<i>H</i>	<i>OBC</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100%*

Remarks: *wetland is 10-12' wide drainage swale running North -> South*  
*WETLAND VEG PRESENT*

### HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 18"</i> Depth to Saturated Soil (in.): <i>&gt; 18"</i>	
Remarks: <i>WETLAND Hydrology</i>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR-3/2			Silt loam
12-18	A <sub>1</sub>	2.5Y-5/4	5YR-5/6	Common/coarse/faint	silt sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input checked="" type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No				
Wetlands Hydrology Present?	Yes	No		(Circle)		(Circle)
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes	No
Remarks						

# WTG 1 - PREVIOUS LOCATION (WATER, PART 10)

WTG 1-SS2  
Upland

## DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator:	Date: 9/19/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 20px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 20px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 20px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>upland farmland</i> Transect ID: <i>WTG 1</i> Plot ID: <i>SS2</i>

### VEGETATION

Plant Community Classification: *Ag Field*

Percent Canopy Cover: Tree:  Shrub:  Herb: *100* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Common Plantain</i>	H	FACU	9.		
2. <i>Red Clover</i>	H	FACU-	10.		
3. <i>Dandelion</i>	H	FACU-	11.		
4. <i>Grass spp.</i>	H	unknown	12.		
5. <i>Mustard sp.</i>	H	UPL*	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *0*

Remarks: *Farm land - highly disturbed soil*

### HYDROLOGY

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>-</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>&gt; 18 in</i>	
Remarks: <i>Hydrology margin</i>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	7.5-5/2			Silty loam
8-12	A <sub>1</sub>	10YR-5/2			sandy loam
12-18	A <sub>2</sub>	10YR-5/3			Sandy loam w/ gravel
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Highly disturbed farm land					
wetland soil present					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks			
mudified Ag.			



TETRA TECH

SUBJECT Silky

Clinton

ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_

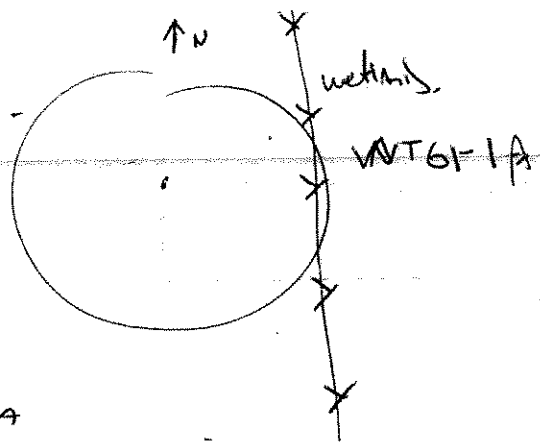
TC/P NO. \_\_\_\_\_

DATE 9/19/05 PAGE 5 OF 5 PAGES

TURNING CORNER #1

WTG1

9590 open Agricultural field.  
540 PSS wetlands



SSI

(WTG1-1)

wetlands consists of a  
DRAINAGE SWALE ~ 10-12' WIDE  
Running N → S

- Dominated by willow (silky). Shrub 80-90%
- Herbs - woodpecker
  - Soft Rush - CAREX vulpinoides
  - mtn sp. (Juncus)

upland - (WTG1-SS2).

UG - same as previous - Agr field

- common plattain
- Red clover
- Transition
- brambles
- mustards.

Soil -

NOTE: Small patch  
of spike rise  
within ~ to west  
of wetlands - not flagged

Roll 1 photo 4 - wetlands WTG1-1



TETRA TECH

SUBJECT Zilka

Clinton

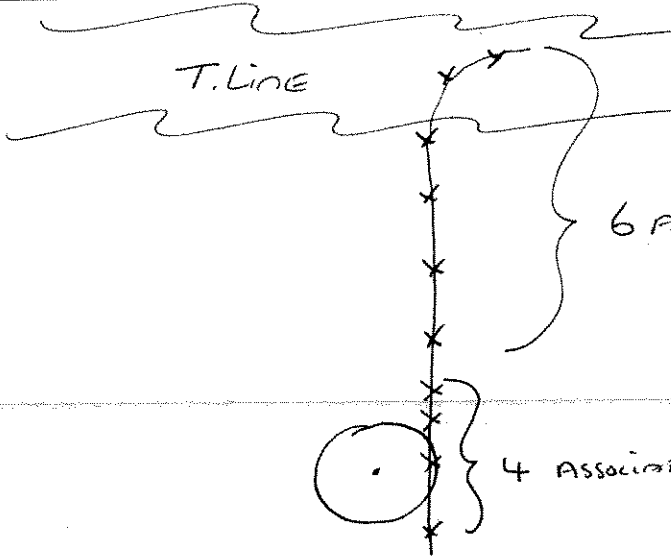
ORIGINATOR \_\_\_\_\_ CHECKED \_\_\_\_\_

PROJECT \_\_\_\_\_

TC/P NO. \_\_\_\_\_

DATE 9/19/05 PAGE 6 OF 6 PAGES

NOTE:



WTG 1

6 ASSOCIATED w/ INTERCONNECT

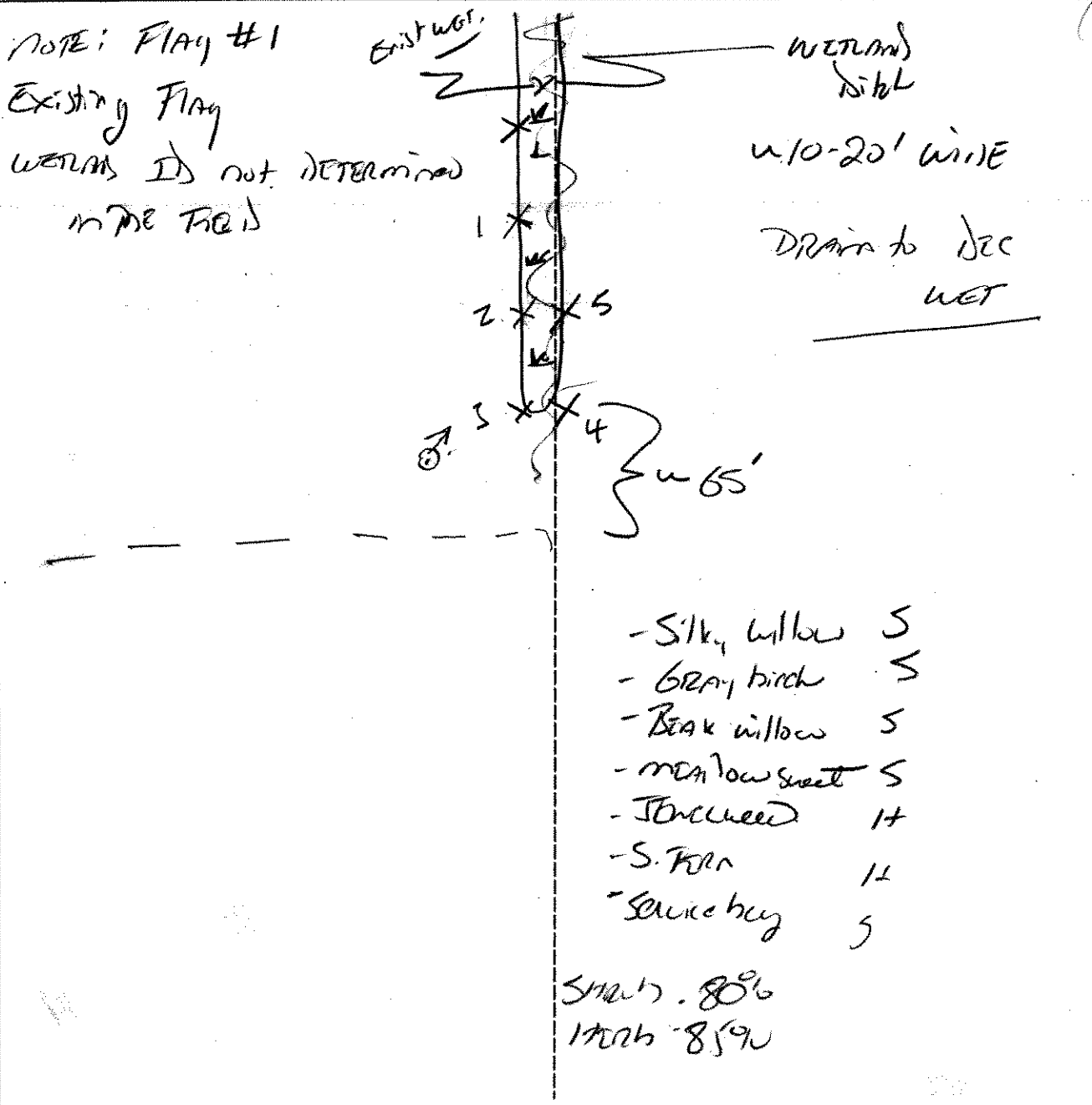
4 ASSOCIATION w/ TURBINE

WETLANDS - AR905

SKETCH FORM

Wetland ID/Route #: ACCESS ROAD TO 89P	Date: 7/10/06	Time: 1100
Initials of Delineators: FROM 1002 RIS, SC	Location: ELLEN WAY	
Roll #: 1	Frames: 3 IVE	

(WTGIA, AR905)



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/2/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: WTG1A, AR905A

551

**VEGETATION**

Plant Community Classification: PSS					
Percent Canopy Cover: Tree: 0 Shrub: 70 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Spiraea latifolia</i>	S	FAC	9.		
2. <i>Alnus rugosa</i>	S	FAC	10.		
3. <i>Salix</i>	S	FACW	11.		
4. <i>Panicum sp.</i>	H	FAC	12.		
5. <i>Juncus sp.</i>	H	FACW	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100 /					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): < 1" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: Field is draining from W into WL	





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/3/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPL</i> Transect ID: Plot ID: <i>WTG 1A ARG05 A 552</i>

**VEGETATION**

Plant Community Classification: *scrubby field*  
 Percent Canopy Cover: Tree: *0* Shrub: *0* Herb: *100* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grass sp</i>	H		9.		
2. <i>Hieracium sp</i>	H	FAC	10.		
3. <i>Taraxacum officinale</i>	H	FACU	11.		
4. <i>Spiraea latifolia</i>	H	FAC	12.		
5. <i>Asclepias syriaca</i>	H	UPL	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *50%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/3/07  
 Community ID: UPL  
 Plot ID: WT61A AR905A 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/1	10YR 4/6	many / med / distinct	clay

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                         | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                  | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                    | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions   | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors      | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

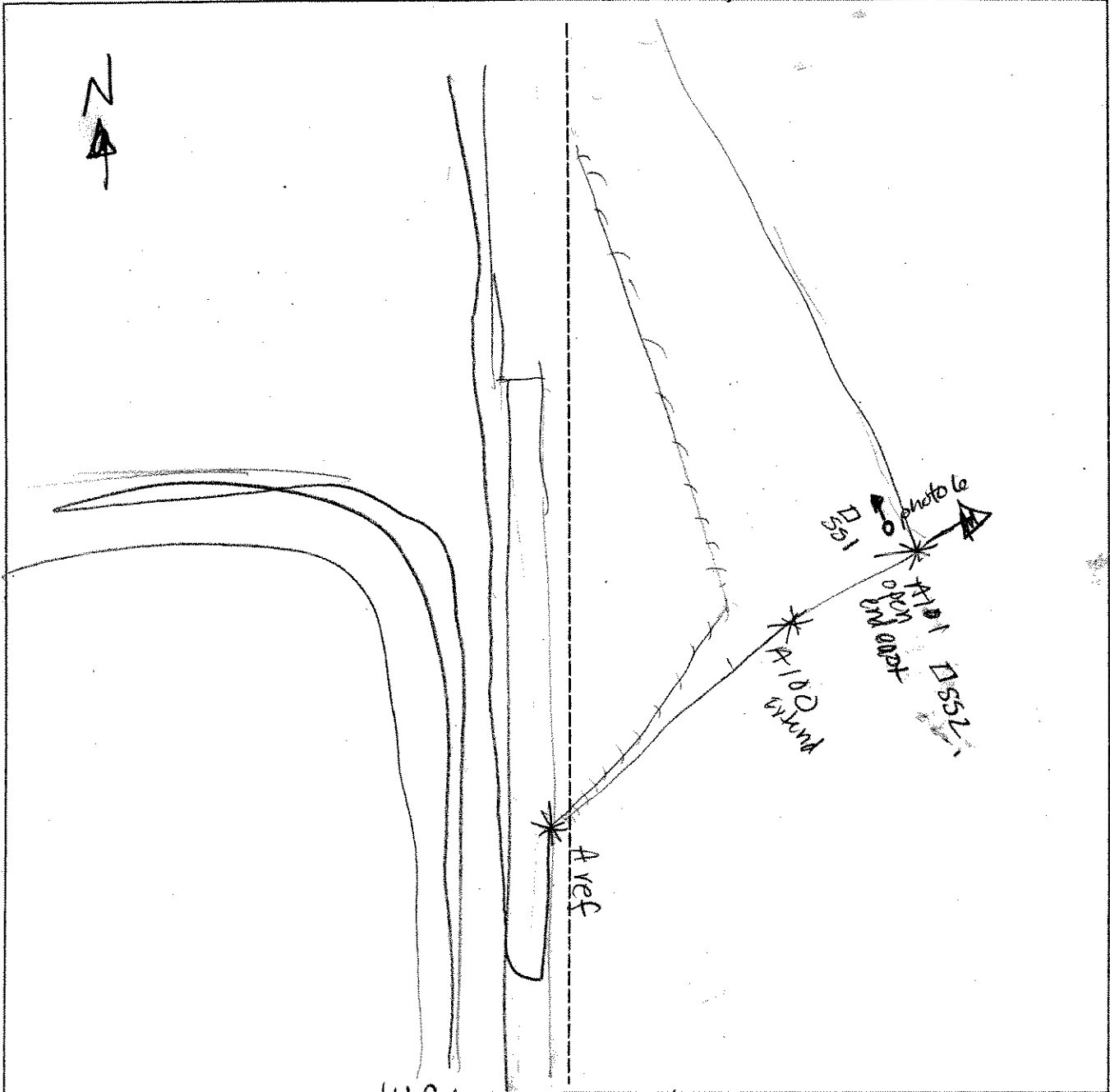
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes No	

Remarks

SKETCH FORM

Wetland ID/Route #: WTBIA/AR 905 A EXT	Date:	Time:
Initials of Delineators: JV - AP	Location: WTBIA/AR 905A	
Roll #:	Frames: photo 6 by A101 facing NNW	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MADRID RIVER WIND FARM</u> Applicant/Owner: <u>MADRID RIVER LLC</u> Investigator: <u>DAVE SE</u>	Date: <u>7/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="radio"/> No <input type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>W161A-SS1</u>

**VEGETATION** PFO4

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>25%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>N. White Cedar</u>	<u>T/S</u>	<u>FACW</u>	9. <u>Carex CANADA</u>	<u>FACW</u>	
2. <u>Savanna Tree</u>	<u>T/S</u>	<u>FAC</u>	10. <u>Carex ulmifolia</u>	<u>FACW</u>	
3. <u>Gray Birch</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Savanna Fern</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Small Weed</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Woodfern</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Narrow leaf goldenrod</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Deep eye weed</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>* in open area</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <u>AT 9"</u> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <span style="float:right">(few)</span> <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>24"</u> Depth to Saturated Soil (in.): <u>9"</u>	
Remarks:	

Date: 7/16/86  
 Community ID: W02003  
 Plot ID: WTB1A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/2	—	—	Silt clay to silty
4-19	B <sub>1</sub>	10YR 5/1	5YR 4/6	Com. / Med. / Dist.	Sand / clay
19-18	B <sub>2</sub>	10YR 5/1	—	—	Coarse silt /
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: Sample station for covertype not line verification			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER WIND FARM</u>	Date: <u>7/16/06</u>
Applicant/Owner: <u>MARBLE RIVER LLC</u>	County: <u>Clinton</u>
Investigator: <u>DD SC</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>UPLAN</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	Transect ID:
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No	Plot ID: <u>WTB1A-SS2</u>
(If needed, explain on reverse.)	

**VEGETATION** OPEN Hay field

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>100%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Timothy</u>	H	FACU	9.		
2. <u>RYE</u>	H		10.		
3. <u>COO VERTH</u>	H	UPL	11.		
4. <u>Tall Buttercup</u>	H		12.		
5. <u>ORCHARD GRASS</u>	H		13.		
6. <u>White clover</u>	H		14.		
7. <u>Tall Dandelion</u>	H		15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 7/16/06  
 Community ID: UPIA  
 Plot ID:

WAGIA-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 3/2			Silt loam
9-18	T	10YR 5/3	10YR 4/4	Common/med/med	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>HARBLE RIVER WIND FARM</u> Applicant/Owner: <u>HARBLE RIVER LLC</u> Investigator: <u>RD</u>	Date: <u>7/16/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>W051A</u> Plot ID: <u>553</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <input checked="" type="radio"/> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED TOP</u>	<u>H</u>	<u>FACW</u>	9. <u>DARK GREEN BULLRUSH</u>	<input checked="" type="radio"/> <u>H</u>	<u>OBL</u>
2. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>CAREX SCOPARIA</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>CAREX VULPINOIDEA</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>SPIRE RUSH</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>CAREX LURIDA</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>JUNCUS EFFUSUS</u>	<u>H</u>	<u>FACW+</u>	15.		
8. <u>WOOLGRASS</u>	<u>H</u>	<u>FACW+</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 7/16/06  
 Community ID: WETLAND  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0 → 10	A	10YR 3/2	10YR 4/6	COMMON COARSE <i>PROMINENT</i>	SILTY CLAY
10 → 18	B	10YR 5/2	—	—	LOAMY SAND
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

PHOTO FROM S52 FACING SW TO S53  
 " FROM CORNER ⇒ W  
 " " " ⇒ S

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RSD, SC</i>	Date: <i>7/16/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPA and</i> Transect ID: <i>WTG 1A</i> Plot ID: <i>SS 4</i>

**VEGETATION** *Early - mid successional (open) / Disturbed*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *0* Shrub: *25%* Herb: *100%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Gray Birch</i>	<i>S</i>	<i>FAC</i>	<i>9. St John's Wort</i>	<i>H</i>	<i>UPL</i>
<i>2. R. Stemmed Goldenrod</i>	<i>H</i>	<i>FAC</i>	<i>10. Wood Aster</i>	<i>H</i>	<i>FAC+</i>
<i>3. Quercus scoparia</i>	<i>H</i>	<i>FACW</i>	<i>11. Oxeye Daisy</i>		
<i>4. HEAL ALL</i>	<i>H</i>		<i>12. YALLOWS</i>	<i>H</i>	<i>FACU</i>
<i>5. Bull Thistle</i>	<i>H</i>	<i>FACU-</i>	<i>13. Straw Weed</i>	<i>H</i>	<i>UPL*</i>
<i>6. H. D. Blackberry</i>	<i>S</i>	<i>FACU-</i>	<i>14. Hawk Weed</i>	<i>H</i>	<i>UPL*</i>
<i>7. White Clover</i>	<i>H</i>		<i>15.</i>		
<i>8. J. Egghead</i>	<i>H</i>	<i>FACW+</i>	<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>n/a</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>n/a</i></p> <p>Depth to Saturated Soil (in.): <i>n/a</i></p>	<p>Remarks:</p>

Date: 7/16/06  
 Community ID: 201AWJ  
 Plot ID: WTB/A-SS4

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/3	—	—	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No	
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD	Date: 7/16/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: WTS1A Plot ID: 555

**VEGETATION**

Plant Community Classification: _____ Percent Canopy Cover: Tree: 0 Shrub: 25 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. DARK GR. BULRUSH	H	OBL	9.		
2. CAREX SCOPARIA	H	FACW	10.		
3. RED TOP	H	FACW	11.		
4. CAREX LURIDA	H	FACW	12.		
5. JUNCUS EFFUSUS	H	OBL <del>SPR</del>	13.		
6. GRAY BIRCH	S	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%.					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated at 12" <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves (in places) <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 0/A Depth to Saturated Soil (in.): w/2"	Remarks:

Date: 7/16/06  
 Community ID: WETLAND  
 Plot ID: 555

**SOILS**

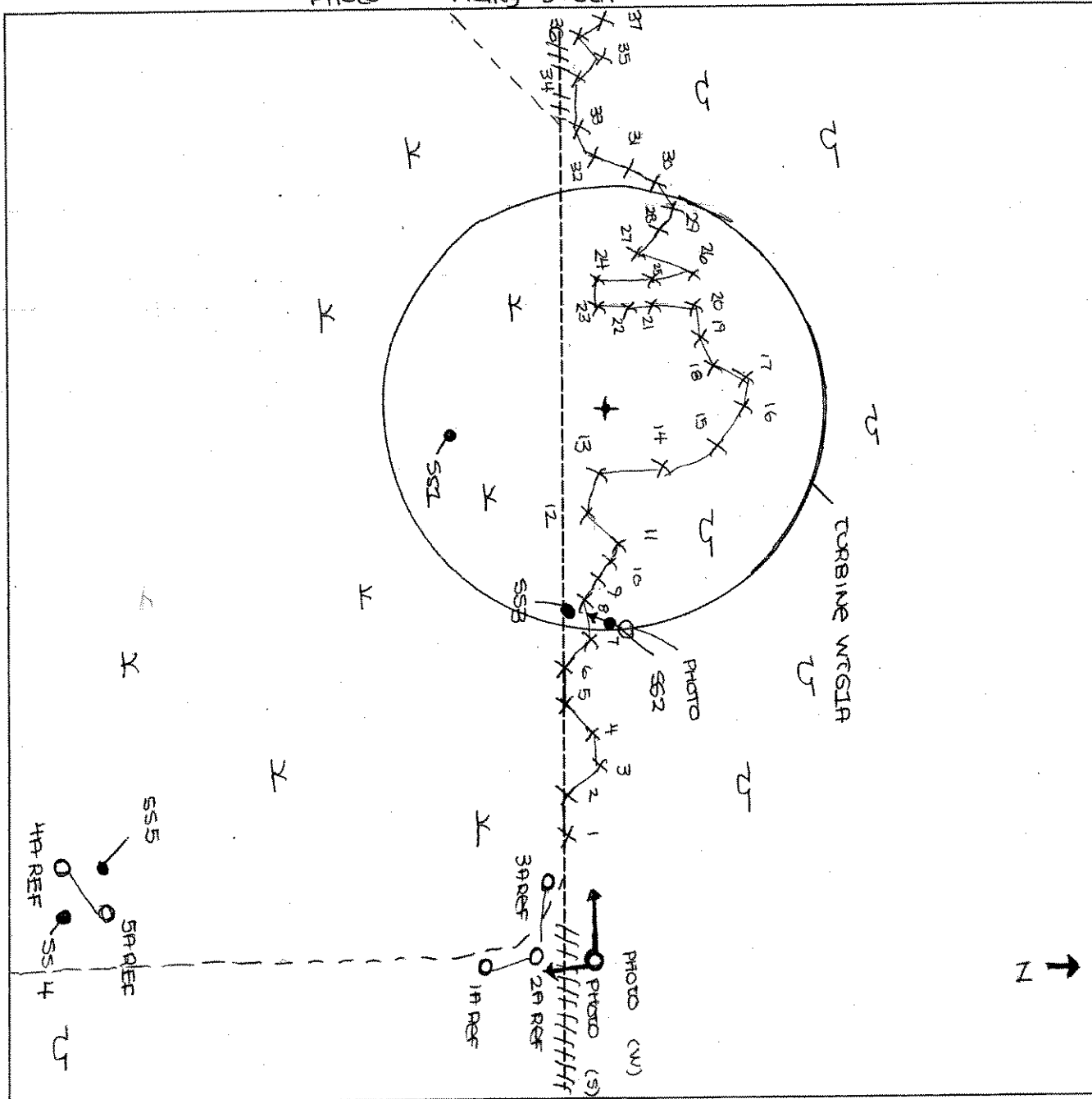
Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0 → 12	A	10YR 4/2	<del>5YR 5/2</del> 5YR 4/6	FEW/MEDIUM/DISTANCE	CLAY
12 → 18	B	10YR 5/2	<del>5YR 5/2</del> 5YR 5/8	COMMON/MEDIUM/DISTANCE	SANDY CLAY → SANDY CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

### SKETCH FORM

<b>Wetland ID/Route #:</b> WTS1A	<b>Date:</b> 7/10/06 <b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO FROM SS2 FACING SW TO SS3 PHOTO FACING WEST PHOTO FACING SOUTH	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BC</i>	Date: <i>7/17/86</i> County: <i>Canton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>WTG 1A-B-SS1</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>100</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sensitive fern</i>	H	FACW	9.		
2. <i>Scirpus atrovirens</i>	H	OBL	10.		
3. <i>Sparganium</i>	H	FACU	11.		
4. <i>Carex scariosa</i>	H	OBL	12.		
5. <i>Juncus bulbosus</i>	H	FAC+	13.		
6. <i>Caltha palustris</i>	H	FACU	14.		
7. <i>Agrostis alba</i>	H	FACU	15.		
8			16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>71%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



Date: 7-17-06  
 Community ID: Wetland  
 Plot ID:

WTG 1A-B-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:				
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No				
Profile Description:						
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.	
0-16	A <sub>2</sub>	2.5Y 2/1	7.5YR 4/4	75%	sandy loam	
16-18+	B <sub>0c</sub>	2.5Y 7/0	10YR 5/6	75%	loamy sand	
Hydro Soil Indicators						
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:						

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
Pic 2 → E			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i>	Date: <i>7-17-06</i>
Applicant/Owner: <i>Marble River LLC</i>	County: <i>Clinton</i>
Investigator: <i>BO</i>	State: <i>NK</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 1A-B-552</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification:

Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Orchard grass</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>Sweet vernal grass</i>	<i>H</i>	<i>FACU</i>	10.		
3. <i>Plantain major</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Yellow rattle (Rhinanthus <sup>crispus</sup> sp.)</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Vacc. sativa</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Timothy</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Timothy</i>			15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *17%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>None</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>None</i>	
Remarks:	

Date: 7-17-06  
 Community ID: Upland  
 Plot ID:

**SOILS**

WTG 1A-B-552

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-13	Ap	10YR 8/1	7.5YR 7/1	2-3%	

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 extremely stoney/dense @ 15"

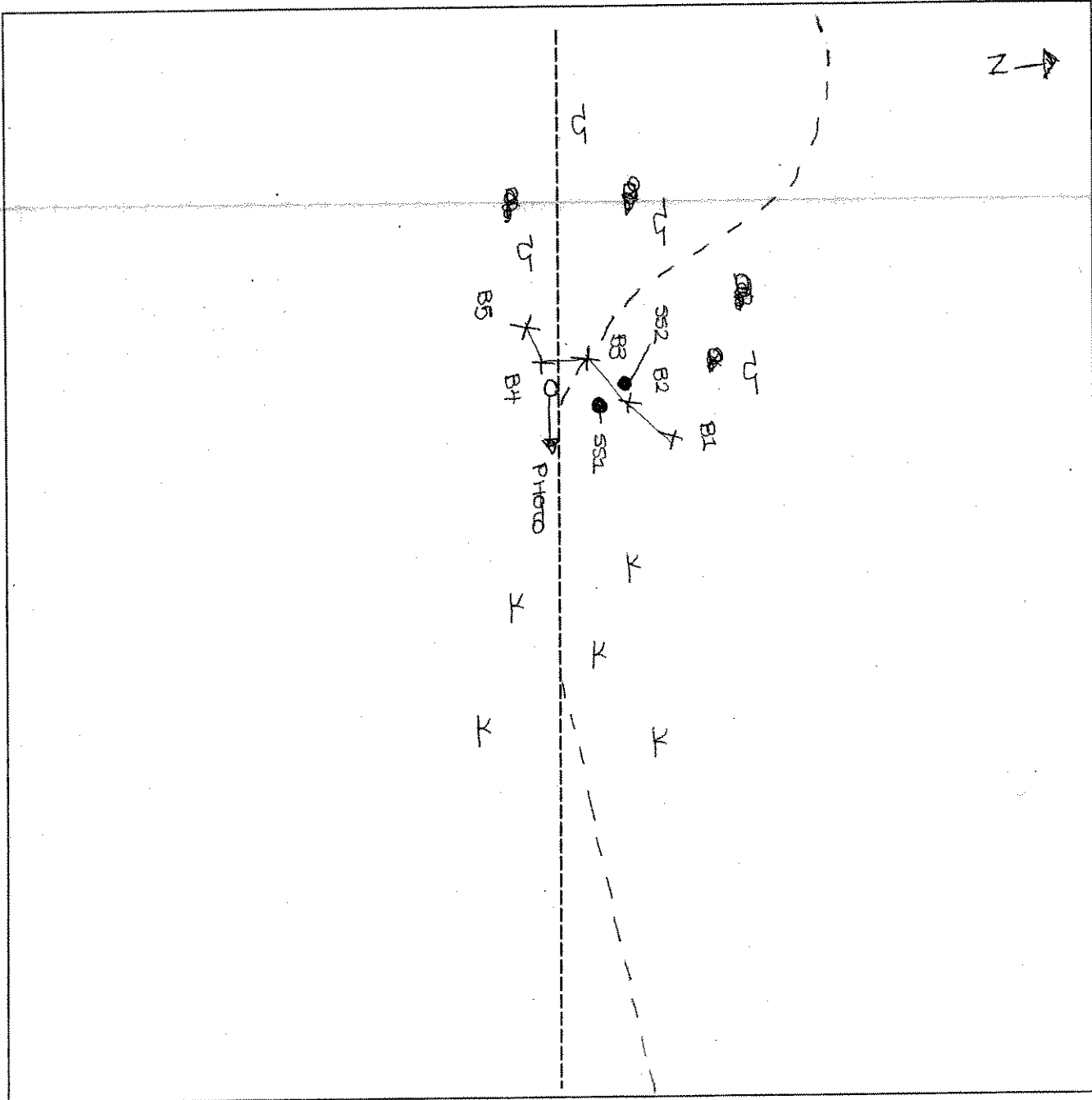
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**SKETCH FORM**

Wetland ID/Route #: WIG1A-B LINE	Date: 7/17/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJN SC</u>	Date: <u>7-15</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PEM</u> Transect ID: Plot ID: <u>WTG2A-SSI</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input type="radio"/>	Shrub: <input type="radio"/>	Herb: <u>100</u>	Vine: <input type="radio"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Scirpus atrovirens</u>	<u>H</u>	<u>OBL</u>	9.		
2. <u>Juncus effusus</u>	<u>H</u>	<u>FACW+</u>	10.		
3. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Carex</u>	<u>H</u>		12.		
5. <u>Grass sp.</u>	<u>H</u>		13.		
6. <u>St. John Wort</u>	<u>H</u>	<u>UPL*</u>	14.		
7. <u>Eupatorium perfoliatum</u>	<u>H</u>	<u>FACW+</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks: <u>Photo 9-3 N for blue - 9/10</u>	

Date: 7-15-06  
 Community ID: PEM  
 Plot ID: WTG-2A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 5/3	10YR 4/6	few/common/distinct	sandy loam
10-18	B	10YR 4/3	10YR 3/4	many/coarse/prominent	SAND LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks: Wetland confined to disturbed logging access road.		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV SC</u>	Date: <u>7-15-00</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>ARWTC-2A-SS2</u>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: ~~35~~ 15 Shrub: 40 Herb: 60 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	9. <u>R.S.G. 508</u>	<u>FAC</u>	
2. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>A. rubrum</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Rubus allegheniensis</u>	<u>H</u>	<u>FACU-</u>	13.		
6. <u>Prunella villosa</u>	<u>H</u>	<u>FACU-</u>	14.		
7. <u>R. allegheniensis</u>	<u>S</u>	<u>FACU-</u>	15.		
8. <u>Dryopteris Sp. rubra</u>	<u>H</u>	<u>FACU-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
Remarks:

**HYDROLOGY** None

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks:

Date: 7-15-06  
 Community ID: Upland  
 Plot ID: WTG2 S52

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	Sandy loam
6-12	B <sub>1</sub>	10YR 3/6	—	—	Sandy loam
12-18	B <sub>2</sub>	10YR 3/6	—	—	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

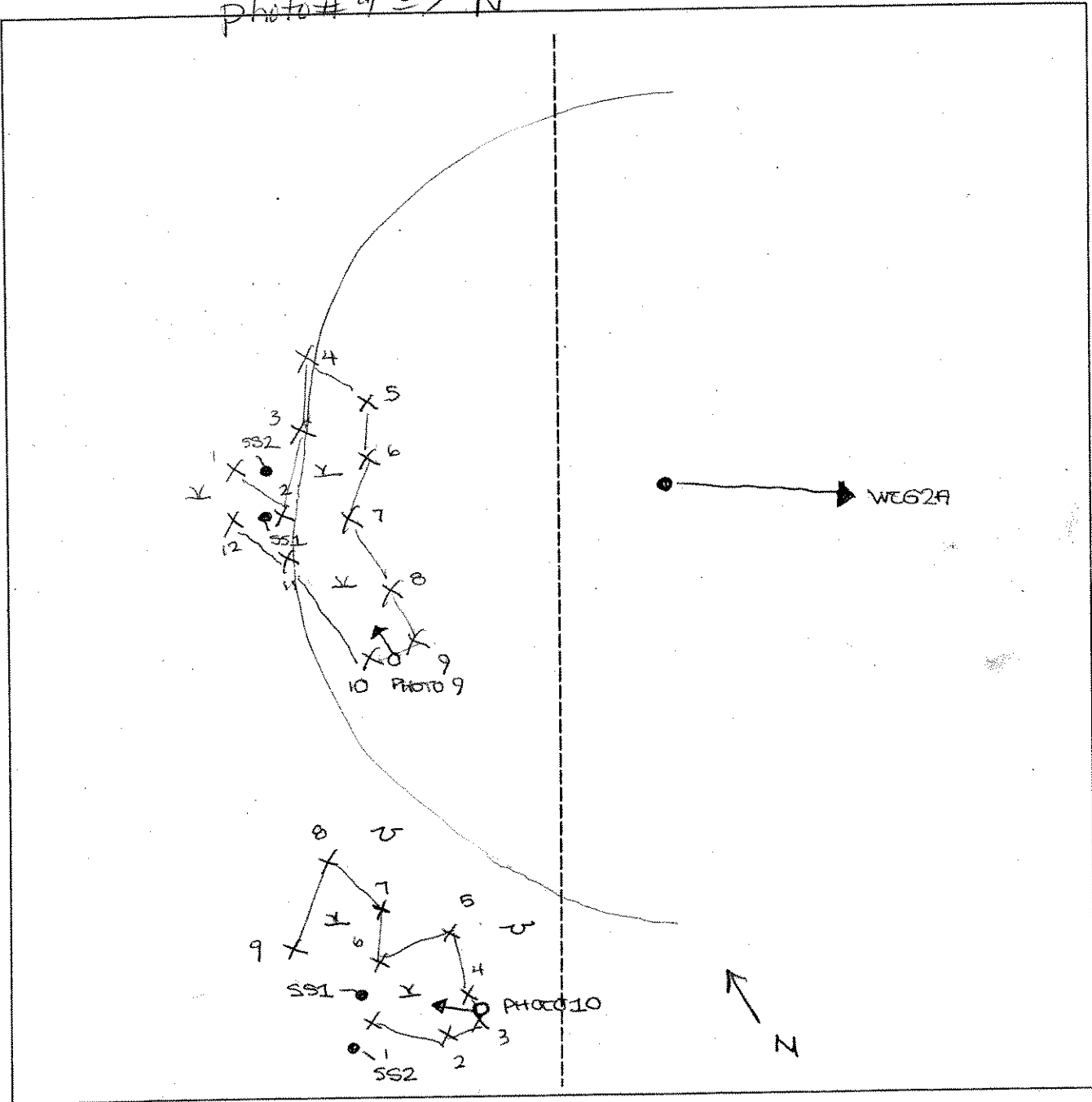
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			



SKETCH FORM

Wetland ID/Route #: <b>WTG 2A/B</b>	Date: <b>7.15.06</b>	Time:
Initials of Delineators: <b>RD SC JV</b>	Location: <b>(WTG 2A) Turbine 2A</b>	
Roll #:	Frames: <b>Photo #10 =&gt; NW between flag 3+4</b> <b>Photo #9 =&gt; N</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Wetland  
WT6 5A-551  
D. G-13A

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/14/06</i> County: <i>Cindon</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>986</i> Transect ID: Plot ID: <i>WT6 5A-551</i>

*A-Sum*

<b>VEGETATION</b>					
Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: <i>65.0</i> Herb: <i>20.5</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alder</i>	<i>Shrub</i>	<i>FACW</i>	9.		
2. <i>Elderberry</i>	<i>Shrub</i>	<i>FACW</i>	10.		
3. <i>Assorted Grasses</i>	<i>Herb</i>	<i>FACW</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>Assorted Grasses Herb - unable to ID due to seasonal conditions assumed FACW,</i>					

<b>HYDROLOGY</b>	
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <i>to Surface</i> <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>adjacent flowing stream</i> Depth to Free Standing Water in Pit (in.): <i>surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 5/14/06  
Community ID: R46  
Plot ID:

WT6 SA - P Series - 881

**SOILS**

Map Unit Name (Series and Phase): <i>n/a</i>	Drainage Class: <i>PD</i>
Taxonomy (SubGroup): <i>n/a</i>	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	<i>Ap</i>	<i>10YR 2/1</i>	<i>nsr</i>	<i>nsr</i>	<i>FSL</i>
4-14	<i>Bw1</i>	<i>2.5 5/2</i>	<i>10YR 4/4</i>	<i>com/med / Dist.</i>	<i>SL</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks  
*R46 adj farm field bordering stream, well defined boundary*

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Upland  
 WTG 5A - 852  
 VB - B A

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River</i> Investigator: <i>BR</i>	Date: <i>5/14/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>P66</i> Transect ID: Plot ID: <i>WTG 5A - A - 852 - 852</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>85.5</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Farm field Grasses</i>	<i>Herb</i>	<i>FACU</i>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks: <i>Farm field Grasses Herb - assigned FACU</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

B. Smeis  
Wetland  
D.G.  
WTG 5A - B Smeis 861

Project Site: <i>Mantle River</i> Applicant/Owner: <i>Mantle Kwak LLC</i> Investigator: <i>BSN</i>	Date: <i>5/13/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>P480</i> Transect ID: Plot ID: <i>WTG 5A 861 - B Smeis</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>20.5</i> Shrub: <i>86.5</i> Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alder</i>	<i>Shrub</i>	<i>FACW</i>			
2. <i>Red maple</i>	<i>Tree</i>	<i>FAC</i>			
3. <i>Black Cherry</i>	<i>Tree</i>	<i>FACW</i>			
4. <i>Field Sycamore</i>	<i>Shrub</i>	<i>FACW</i>			
5. <i>Black Cherry</i>	<i>Shrub</i>	<i>FACW</i>			
6.					
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/5 = 60</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>none (adj. flowing stream)</i> Depth to Free Standing Water in Pit (in.): <i>surface</i> Depth to Saturated Soil (in.): <i>surface</i>	
Remarks:	

Wetland

Date: 5/13/06  
Community ID: Clinton  
Plot ID: WY

WTG SA - 9 Series - 551

**SOILS**

Map Unit Name (Series and Phase): N/A		Drainage Class: PD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10 YR 2/1	none	None	FSH
8-14	Bw1	10 YR 2 6/2	none	none	FSH
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	No	
Remarks Peds (Aldea Dominant) adjacent			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

B-2010  
Vpland  
V.G.  
WTO 5A - B Series - 552

Project Site: <i>Mantle River</i> Applicant/Owner: <i>Mantle River LLC</i> Investigator: <i>SPN</i>	Date: <i>5/13/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>765</i> Transect ID: Plot ID: <i>WTO 5A = B Series - 552</i>

**VEGETATION** *FARM FIELD*

Plant Community Classification:  
 Percent Canopy Cover: Tree: *10.5* Shrub: *20.5* Herb: *85.5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Black Raspberry</i>	<i>Shrub</i>	<i>FACU</i>			
<i>2. Golden rod</i>	<i>Herb</i>	<i>FACU</i>			
<i>3. Black Cherry</i>	<i>Shrub</i>	<i>FACU</i>			
<i>4. Alder</i>	<i>Shrub</i>	<i>FACU</i>			
<i>5. Bitz Cherry</i>	<i>Tree</i>	<i>FACU</i>			
<i>6. Farm Grass</i>	<i>Herb</i>	<i>FACU</i>			
<i>7.</i>					
<i>8.</i>					

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *1/6*

Remarks:  
*Species of Golden rod and farm grasses unk. assumed FACU*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 20"</i> Depth to Saturated Soil (in.): <i>&gt; 20"</i>	
Remarks: <i>Wetland body, well defined</i>	



Upland.

Date: 5/19/06  
Community ID:  
Plot ID:

WTR 5A - B Series - 552

**SOILS**

Map Unit Name (Series and Phase): N/A	Drainage Class: m.w.d
Taxonomy (SubGroup): N/A	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10 Y 2 3/3	None	None	FA
10-16	Bw	10 Y 2 4/4	None	None	FA

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

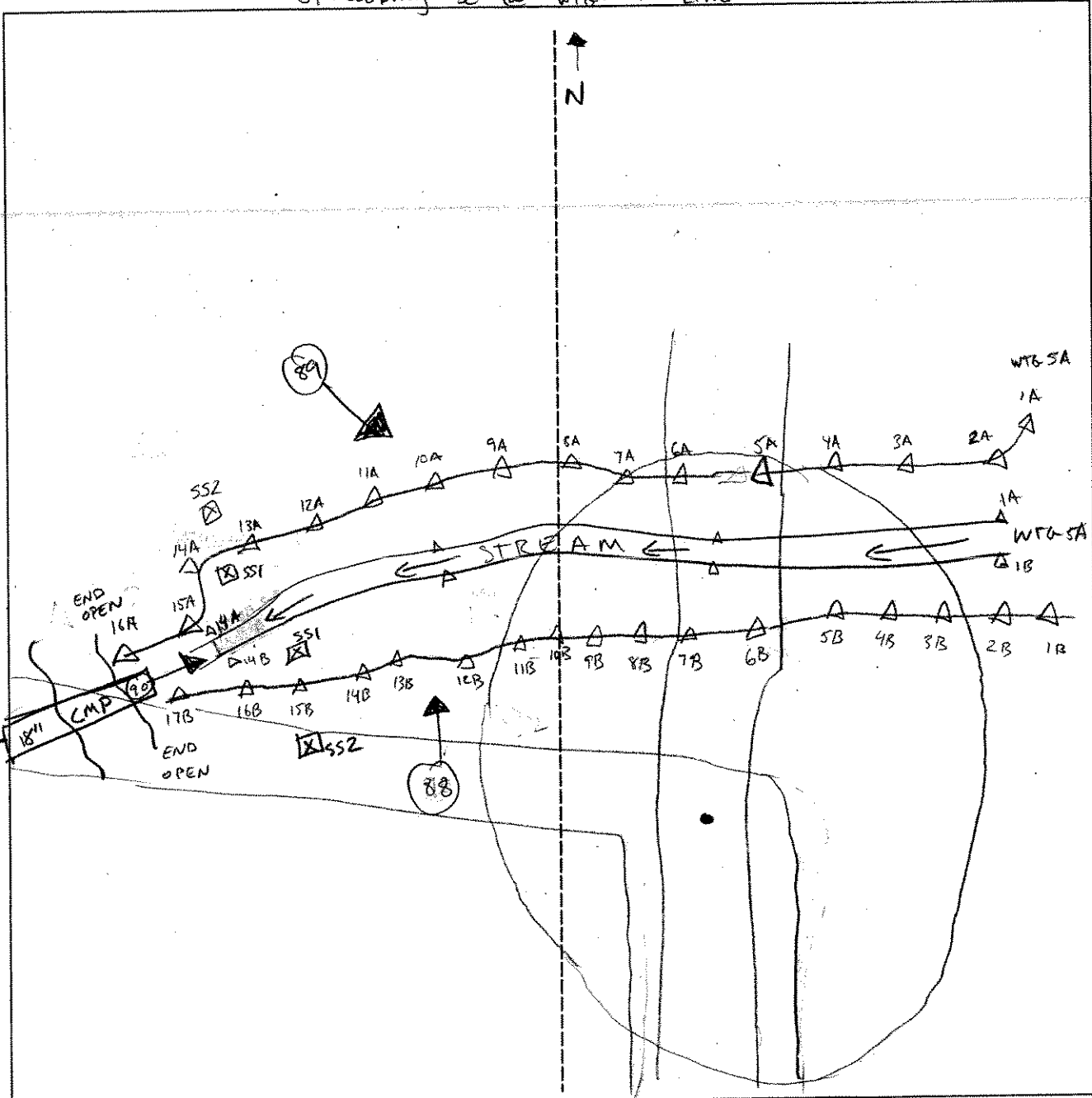
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

wetland boundary well defined by top 2 slope

### SKETCH FORM

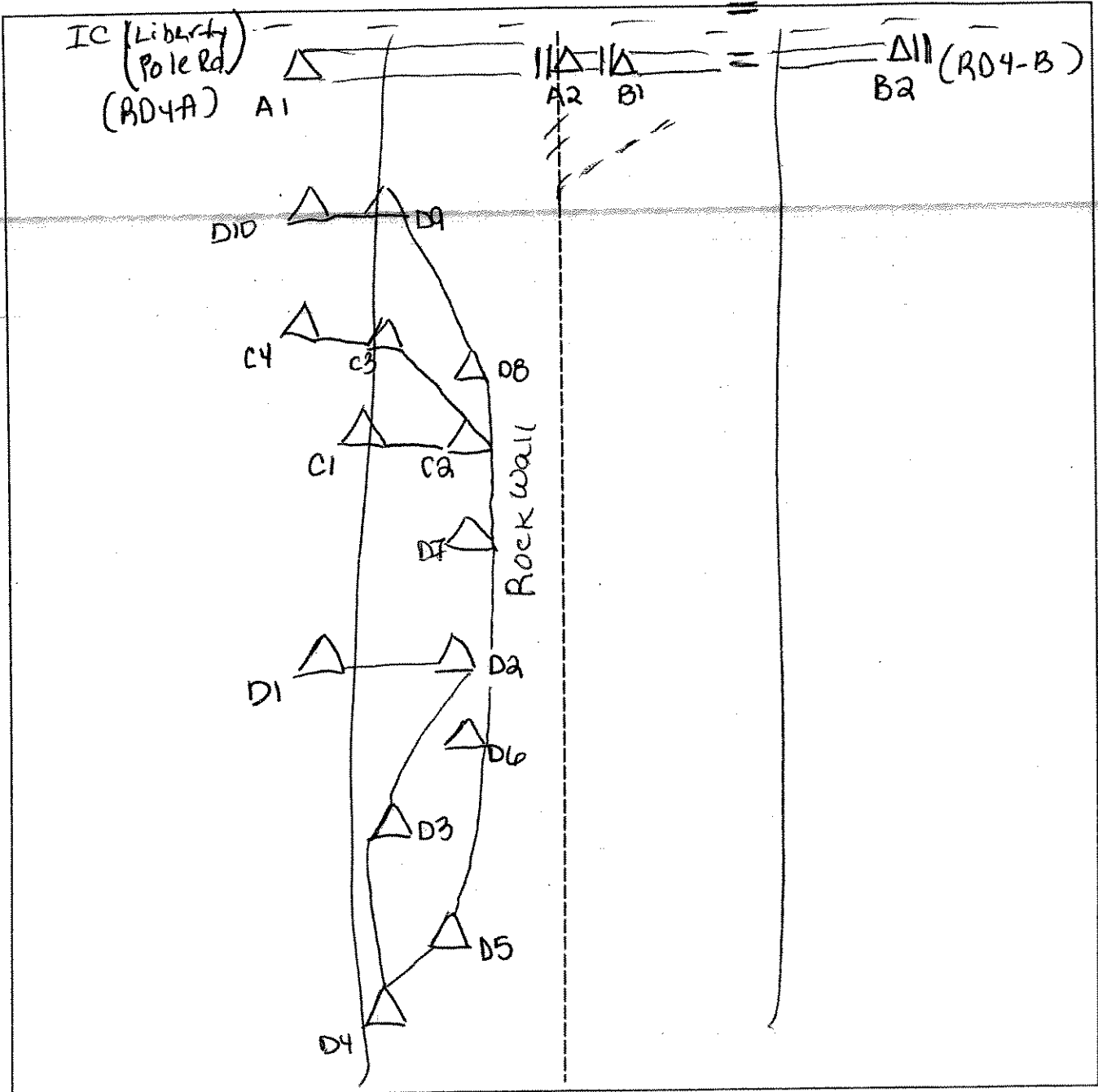
<b>Wetland ID/Route #:</b> WTG SA - A/B WTG SA - SA/B	<b>Date:</b> 5-12-06 <b>Time:</b> 5-13-06
<b>Initials of Delineators:</b> BR DO	<b>Location:</b> Marble River
<b>Roll #:</b> <b>Frames:</b> 90: Looking E @ Stream 88: Looking N @ WTG SA - B Line 89: Looking SE @ WTG A - A Line	



Legend	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∇	Wetland
—	Upland
—	Stream
- . .	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: WTG-5A-C/D + R04-A/B		Date: 7-27-06	Time:
Initials of Delineators: KH		Location: AR/IC to turbine 5A	
Roll #:	Frames: photo taken at previous delineation		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Culvert

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>LO</u>	Date: <u>7-18-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTG 11-A-551</u>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 5 Shrub: 30 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Agrostis alba</i>	H	FACW	9. <i>Carex vulpina</i>	H	OBL
2. <i>Spiraea latifolia</i>	Sh	FACW	10. <i>Senecio</i>	H	FACW
3. <i>Spiraea tomentosa</i>	Sh	FACW	11. <i>Salix</i> sp.	Sh	assumed
4. <i>Thymus occidentalis</i>	Sh	FACW	12. <i>Betula populifolia</i>	T	FAC
5. <i>Betula populifolia</i>	Sh	FAC	13.		
6. <i>Iris</i> sp.	H	OBL	14.		
7. <i>Juncus effusus</i>	H	FACW	15.		
8. <i>Timothy</i>	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 92%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>10"</u>	Remarks:

Date: 7-18-06  
 Community ID: wetland  
 Plot ID:  
 W1G 11-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	Ap	10YR 2/1	7.5YR 4/6	2%	Sandy loam
12-18"	Bw	2.5Y 8/2	7.5YR 7/3	75%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
Existing W1A 11-A re-flagged.  Pic → S			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-18-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>WTG 11-A-SS2</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sweet vernal grass	H	FACU	9.		
2. Timothy	H	FACU	10.		
3. Yellow rattle ( <i>R. Cristagalli</i> )	H	FAC	11.		
4. Yellow ( <i>Vicia sativa</i> )	H	FACU-	12.		
5. Heart of ( <i>Prunella vulgaris</i> )	H	FACU-	13.		
6. <i>Bonumolus aris</i>	H	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

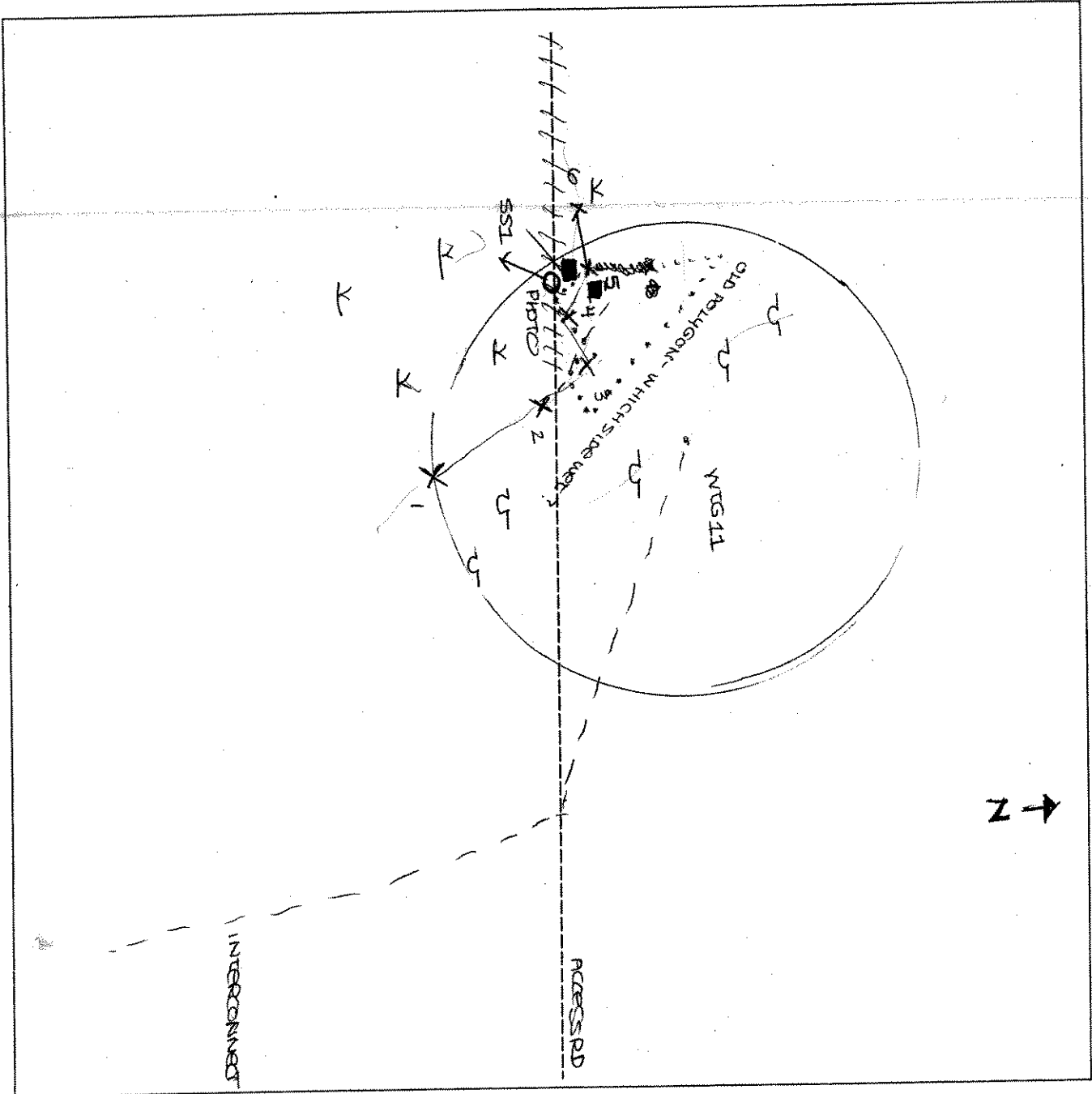
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <span style="margin-left: 20px;"><i>None</i></span> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>None observed</u>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



SKETCH FORM

Wetland ID/Route #: WEG 11A	Date: 7/18/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream
	OLD POLYGON



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

WT6-15-1A  
 wetland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: KH, RD	Date: 9/20/05 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: PEA wetland Transect ID: SSI Plot ID: WT6-15-1A

**VEGETATION**

Plant Community Classification: PEA

Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Arrowleaf Thistle	H	OBL	9. Carex stipata	H	not listed
2. NY Aster	↓	FACW+	10. Carex scoparia	↓	FACW
3. Purple Loosestrife		FACW+	11.		
4. Large Leaved Goldenrod		FAC	12.		
5. Wool Grass		FACW+	13.		
6. Smartweed		FACW+	14.		
7. Carex vulpinoidea		OBL	15.		
8. Carex crinita		OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

WETLAND VEG PRESENT

NOTE: → Steep bank, sensitive fern, silky willow, Juncus & (Red) Smartweed observed in other portions of wetland

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): 0 in places Depth to Saturated Soil (in.): 0 in	

Remarks:

WETLAND Hydrology PRESENT

WT6-15-11A TP-570

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	7.5YR-4/2			Silty clay loam
12-18	B	10YR-5/2	7.5YR-5/6	Prominent/ Common/ Common	Sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Wetland soil present

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

WTB 15-1A  
upland

Project Site: Clinton County / Ellenburg Applicant/Owner: Horizon Renewable Energy Investigator: <i>187 BD</i>	Date: <i>9/30/05</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>Early Successional</i> Transect ID: <i>WTB B-1A-UPL</i> Plot ID: <i>WTB 15-1A-SS2</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>—</i>	Shrub: <i>—</i>	Herb: <i>100</i>	Vine: <i>—</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grass sp.</i>	<i>H</i>	<i>unknown</i>	9.		
2. <i>Golden Rod - Lance leafed</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>Wild Radde</i>	<i>H</i>	<i>UPL*</i>	11.		
4. <i>Timothy</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Wild Radde - Rank Stand</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Wild Radde - Tall</i>	<i>H</i>	<i>FACW</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>UPLAND VEGETATION Dominant</i> <i>* - NOT LISTED</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>7 1/2"</i>	
Remarks: <i>Roll 1 - plot # 23 looking west</i>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR-3/3			Silty loam
10-12	A <sub>1</sub>	10YR-4/3	7.5YR-5/8	Few/coarse/distinct	silty sand loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal at 12 inches

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No					
Wetlands Hydrology Present?	Yes	No	(Circle)				(Circle)
Hydric Soils Present?	Yes	No		Is this Sample Station Point Within a Wetland?	Yes	No	(Circle)
Remarks							

9/20/05

000  
 010  
 115  
 230

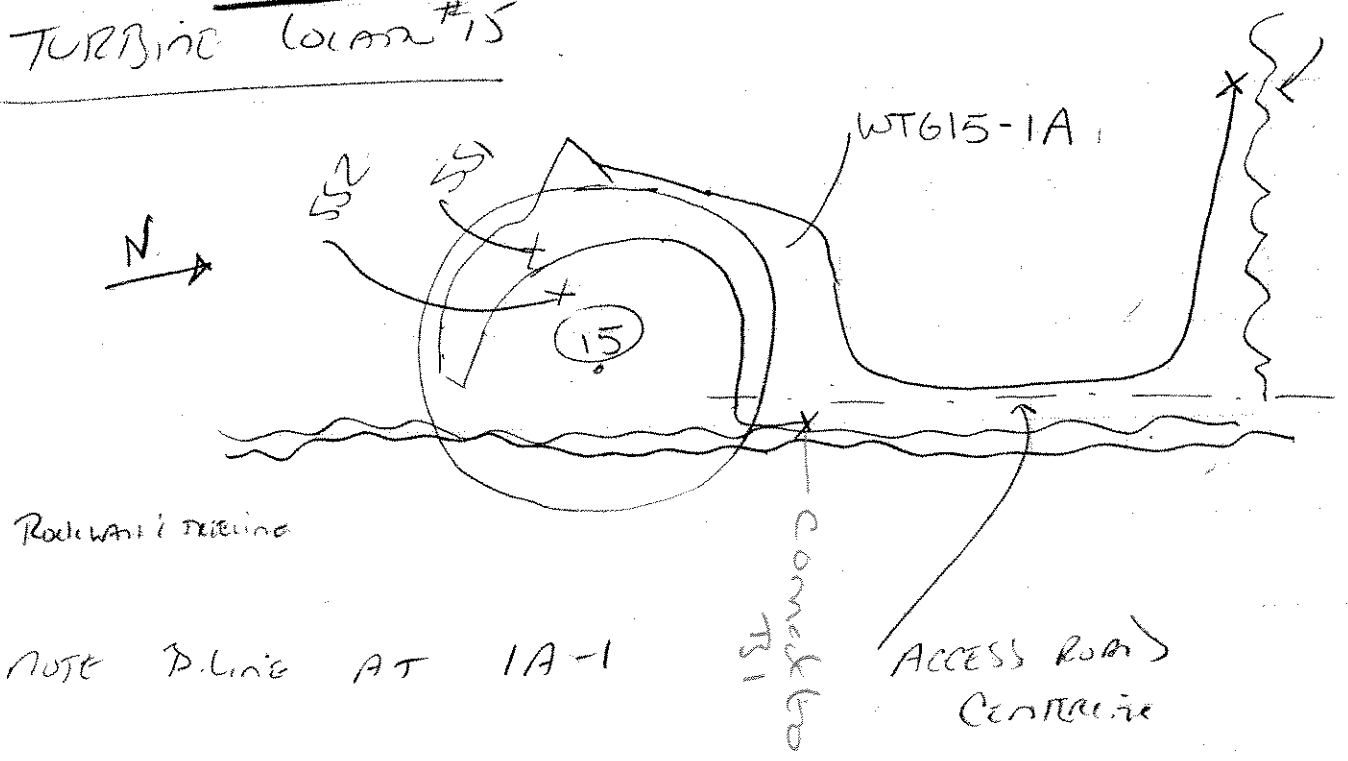
AT SITE - STAR ROAD  
 FLAG CENTER OF ACCESS ROAD to NORTH of ROAD  
 - START South side of STAR RD  
 - TURBINE location #14  
 - FALLOW FIELD 90%  
 - TREE ROW 10%

- FIELD - Timothy  
 100% cover  
 - unknown shrub  
 - Golden Rod (Rach stem)  
 - VETCH (cow vetch)  
 - MILKWEEED  
 - Wild madder  
 - GRASSES

- TREE LINE  
 - Brambles  
 - GRAY birch  
 - CHERRY Sp.  
 - AMER BEECH (shrub)  
 (long) - 8" DBH & less  
 TREE cover 40%  
 Height ~25' & less

WT615

TURBINE location #15



Roadway & Turbine

NOTE D. Line AT 1A-1

complex

ACCESS ROAD CENTRAL

TREE LINE

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7/19/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>WTG 15A-B-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Scirpus atrovirens</u>	H	OBC	9. <u>Juncus effusus</u>	FACU	FACU
2. <u>Scirpus cyperinus</u>	H	FACU	10.		
3. <u>Carex vulpinoidea</u>	H	OBL	11.		
4. <u>Carex scoparia</u>	H	OBL	12.		
5. <u>ernulva &amp; tenuis</u>	H	OBL	13.		
6. <u>Salsage sp.</u>	H	—	14.		
7. <u>Salix sp.</u>	SH	OBL	15.		
8. <u>timothy</u>		FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):				<u>88%</u>	
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>4"</u>	
Remarks:	

Date: 7-18-06  
 Community ID: wetland  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	2.5Y 5-5/1	2.5 YR 3/3	75%	sandy loam
10-15+	Bw	2.5Y 5/2	10YR 5/6 2.5Y 6/1	75%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
Pic #1 → 2			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>		Date: 7-18-06 County: Clinton State: NY
Do Normal Circumstances exist on the site?	Yes <input type="radio"/> No <input checked="" type="radio"/> <i>mowed / hay field</i>	Community ID: <i>Upland</i>
Is the site significantly disturbed (Atypical Situation)?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Transect ID:
Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input checked="" type="radio"/>	Plot ID: <i>W76 15A-B-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Timothy	H	FACU	9. Clover	H	FACU
2. Milkweed ( <i>A. syriaca</i> )	H	FACU	10. Plantain	H	FACU
3. Sweet Vernal Grass	H	FACU	11.		
4. Trembling Aspen	T	FACU	12.		
5. Vetch	H	FACU	13.		
6. Agrostis alba	H	FACU	14.		
7. Chokecherry ( <i>P. virginiana</i> )	Sh	FACU	15.		
8. Oarwort	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>10%</i>					
Remarks: - recently mowed hay field *veg @ edge (wall) of mowed field adj. to plot					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <i>lowe</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>None observed</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 7-18-06  
 Community ID: Upland  
 Plot ID:

WTB ISA B SSS2

**SOILS**

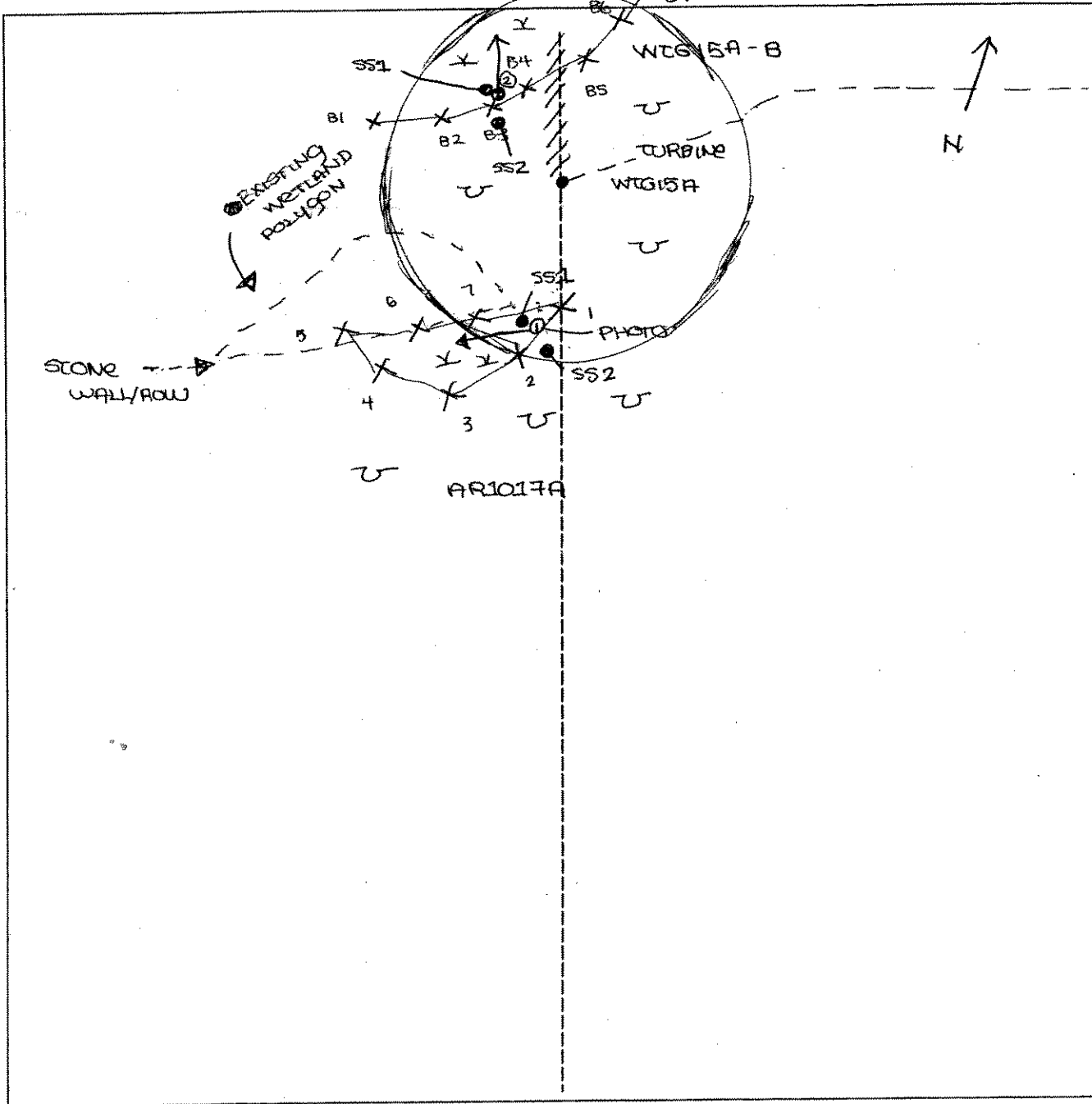
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	A <sub>2</sub>	10YR 3/4	None		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					
- extremely dense/stony below 16" - No redox in A <sub>2</sub>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: WIGISA-B AR1017A	Date: 7/18/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 1 FACING WEST PHOTO 2 FACING NORTH	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <i>Clinton Co. Wind Farm</i>	Date: <i>12 Oct 2005</i>
Applicant/Owner: <i>HORSTAN</i>	County: <i>Clinton</i>
Investigator: <i>J. Arnett, J. Ryan</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes	Community ID: Transect ID: Plot ID: <i>WTG 15 Alt SS-1</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes	
(If needed, explain on reverse.)	

**VEGETATION**

*PEN*

Plant Community Classification:						
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>5</i>	Herb: <i>100</i>	Vine: <i>0</i>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
✓ 1. <i>Salix (narrow lvs.)</i> 2	S	FAC	<i>Agrostis alba</i> 2-20	H	FACW	
✓ 2. <i>Cornus sericea (stolonif.)</i> 2	S	FACW+				
✓ 3. <i>Betula pumila</i> 1	S	FAC				
✓ 4. <i>Scirpus</i> sp. 20	H	OBL				
✓ 5. <i>Juncus effusus</i> 30	H	FACW+				
✓ 6. <i>Aster juncea</i> 20	H	OBL				
7. <i>Juncus tenuis</i> 10	H	FAC-				
8. <i>Polygonum hydropiper</i> 5	H	OBL				
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>						
Remarks: <i>Grazed or mowed field, at least in the past</i>						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

**SOILS**

ID: WTG 15 Alt  
SS-1

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 7/1	-	-	silt loam
5-15	B	10YR 3/1	-	-	silt loam
15+	C	2.5Y 5/3	10YR 5/8	many distinct med	Sandy loam, parent material
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
		Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Is this an Isolated Wetland?	<input type="radio"/> Yes <input type="radio"/> No
Remarks: Formerly grazed			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: <u>HORITZ</u> Investigator: <u>J. Arnett, S. Ryan</u>	Date: <u>12 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: Transect ID: Plot ID: <u>WTG 1544A/BSS-2</u>	

**VEGETATION** Open upland

Plant Community Classification: Tree: 0 Shrub: 0 Herb: 100 Vine: —  
 Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: —

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <u>Leontodon autumnalis</u> 20	H	NI	9.		
2. <u>Taraxacum officinale</u> 10	H	FACU-	10.		
3. <u>Ranunculus repens</u> 5	H	FAL	11.		
4. <u>Vicia</u> 5	H	NI	12.		
✓ 5. <u>Grasses: Phleum</u> , 80	H	* FACO	13.		
6. <u>Festuca</u>			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%  
 Remarks: \* Mowed pasture grasses - presume FACU or drier

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>0</u>          Depth to Free Standing Water in Pit (in.): <u>8</u>          Depth to Saturated Soil (in.): <u>8+</u></p>	<p>Remarks: <u>No apparent indicators of hydrology. Not saturated at surface, but possibly near it</u></p>

Date: 12 Oct 2005  
 Community ID:  
 Plot ID:

WT 6 15 44-

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 5/2			loam
10-	<del>B</del>	10YR 5/2	10YR 5/2	many indistinct mott	sandy loam
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks: Mowed hay field, very difficult		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Clinton County Wind Farm</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>S. Ryan, S. Arnett</i>	Date: <i>10-12-05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>WT6<sup>15</sup>at b-SS-3</i>

**VEGETATION**

Plant Community Classification: <i>PFO</i>					
Percent Canopy Cover:		Tree: <i>100</i>	Shrub: <i>∅</i>	Herb: <i>∅</i>	Vine: <i>∅</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Thuja occidentalis</i>	<i>Tree</i>	<i>FACW</i>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>100% hydrophytic</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>3"</i> Depth to Saturated Soil (in.): <i>at surface</i>	
Remarks:	

Date: 10-12-05  
 Community ID:  
 Plot ID: WTG 15a1a/b

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>0</sub>	10YR 2/1	-	-	muck
3-	C	2.5Y 5/3	10YR 6/6	few/medium/faint	sand.
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: No GPS. Plot is 50' W of WTG 15 A+B-5			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Clinton Co. Wind Farm</u> Applicant/Owner: <u>Hesslow</u> Investigator: <u>J. Arnett, S. Ryan</u>	Date: <u>12 October, 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </div> <div style="text-align: center;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No  <input type="radio"/> No         </div> </div>
Community ID: Transect ID: Plot ID: <u>WTG 15 AH AB SS-4</u>	

**VEGETATION**

PSS

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>20</u>	Shrub: <u>80</u>	Herb: <u>90</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
✓ 1. <i>Betula papyrifera</i>	5	T	9. <i>Scirpus</i>	2	OBL
✓ 2. <i>Salm</i>	50	S	10.		
✓ 3. <i>Cornus sericea</i>	30	S	11.		
✓ 4. <i>Thuja occidentalis</i>	15	T	12.		
✓ 5. <i>Solidago rugosa</i>	30	H	13.		
✓ 6. <i>Aster vinnosus</i>	30	H	14.		
✓ 7. <i>Aster sp</i>	5	H	15.		
✓ 8. <i>Juncus effusus</i>	30	H	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>78%</u>					
Remarks: <span style="float: right; font-size: 1.2em;">* not listed</span>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date:  
 Community ID:  
 Plot ID: WTG 15 A11 A/B SS 41

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 7/1			silt loam
12-16	C	2.5Y 6/3	10YR 6/8	abundant indistinct med	sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: PSS

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IV AP</i>	Date: <i>5/9/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Ag Field</i> Transect ID: Plot ID: <i>W1615A11-B-881</i>

**VEGETATION**

Plant Community Classification: *Ag Field*  
 Percent Canopy Cover: Tree:  Shrub:  Herb: *95* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	H	OBL	9.		
2. <i>Carex sp</i>	H	FACW	10.		
3. <i>Sphiza latifolia</i>	H	FAC	11.		
4. <i>Solidago sp</i>	H		12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
 Remarks: *Cannot id due to time of year*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>NA</i> Depth to Saturated Soil (in.): <i>upper 10"</i>	Remarks: <i>Entire field is rutted from traffic</i>

Date: 5/9/07  
 Community ID: AqField  
 Plot ID: WTG15 A11 B S51

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A <sub>p</sub>	5YR 2.5/1			clay loam
6-8	A	5YR 2.5/1	7.5YR 5/8	prom., many, med.	clay loam
8-12	B	5Y 6/4			loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: ORCs in A; B, organic streaking in C					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: photo 2 = NW			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 9/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: WJG15 AIT-B-SS3

EXT

**VEGETATION**

Plant Community Classification: <u>Ag Field</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>45</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Drymonia serotina</u>	<u>S</u>	<u>FACU</u>			
2. <u>Cornus rostrata</u>	<u>S</u>	<u>FAC</u>			
3. <u>Taraxacum officinale</u>	<u>H</u>	<u>FACU</u>			
4. <u>Ranunculus</u>	<u>H</u>	<u>FACU</u>			
5. <u>Solidago sp</u>	<u>H</u>	<u>—</u>			
6.					
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>cannot i.d species due to time of year</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: UPL  
 Plot ID: WTC15 A1B S2

**SOILS**

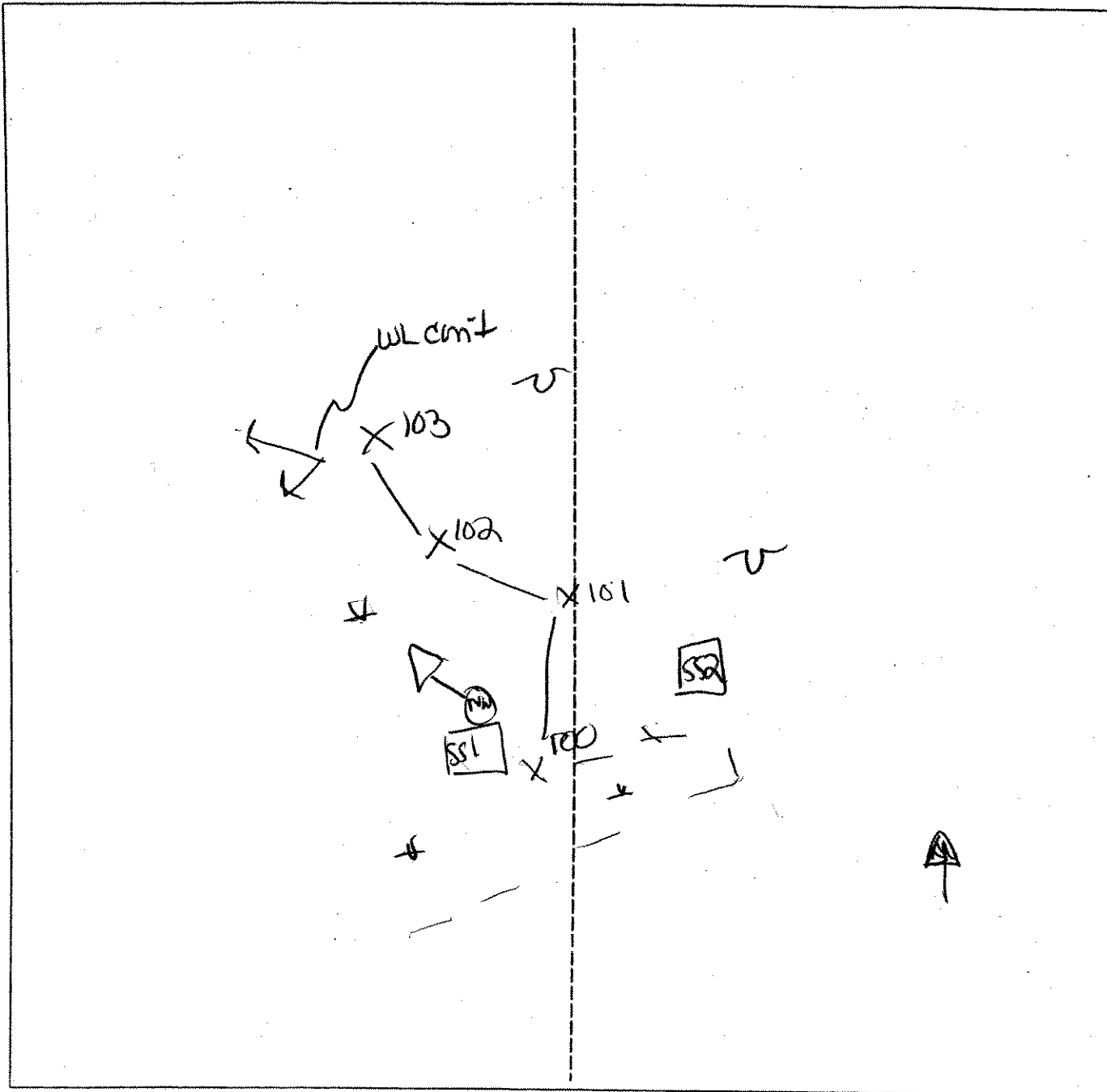
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/1	2.5Y 5/4	prom., few, fine	silty clay
10-15	A	2.5Y 5/4			sandy clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: ORCS on A, organic streaking on B					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks		

SKETCH FORM

Wetland ID/Route #: <b>W1G15 Act B EXT</b>	Date: <b>5/9/07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location: <b>T-15A + T-15</b>	
Roll #: <b>2 = NW</b>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

wetland  
D.6. WTA 21A-2A

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble Rivalle</i> Investigator: <i>BR</i>	Date: <i>5/15/06</i> County: <i>Clatsop</i> State: <i>NW</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PEO/PER</i> Transect ID: Plot ID:

*WTA 21A - A Series - 507*

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *63.0* Shrub: *20.5* Herb: *89.5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sweet Maple</i>	<i>Tree</i>	<i>FACW</i>	9.		
2. <i>Balsam Fir</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Sunshine Fern</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Mayflower</i>	<i>Herb</i>	<i>FAC-</i>	12.		
5. <i>Goldenrod</i>	<i>Herb</i>	<i>FAC</i>	13.		
6. <i>Slender Elm</i>	<i>Tree</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *4/6*

Remarks: *Goldenrod assumed FAC - unable to ID due to seasonal conditions*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	



Date: 5/15/66  
 Community ID: PE6/PEW  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase): N/A		Drainage Class: PD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8		10YR-3/1			sandy loam
8-16		10YR-5/2	10YR-5/8	Common/medium/distinct	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

*Wetland*  
 U.G. WT621A-2A

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/15/06</i> County: <i>Clinton</i> State: <i>NH</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>PF0</i> Transect ID: Plot ID:

*WT621A Series 552*

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *63.0* Shrub: *20.5* Herb: *28* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACW</i>	9.		
2. <i>Balsam Poplar</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Grey Birch</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>May Flower</i>	<i>Herb</i>	<i>FAC</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/4*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>none</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>none</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 12"</i> Depth to Saturated Soil (in.): <i>&gt; 12"</i>	
Remarks:	

Date: 5/15/06  
 Community ID:  
 Plot ID:

WT6 21A - Series 852

**SOILS**

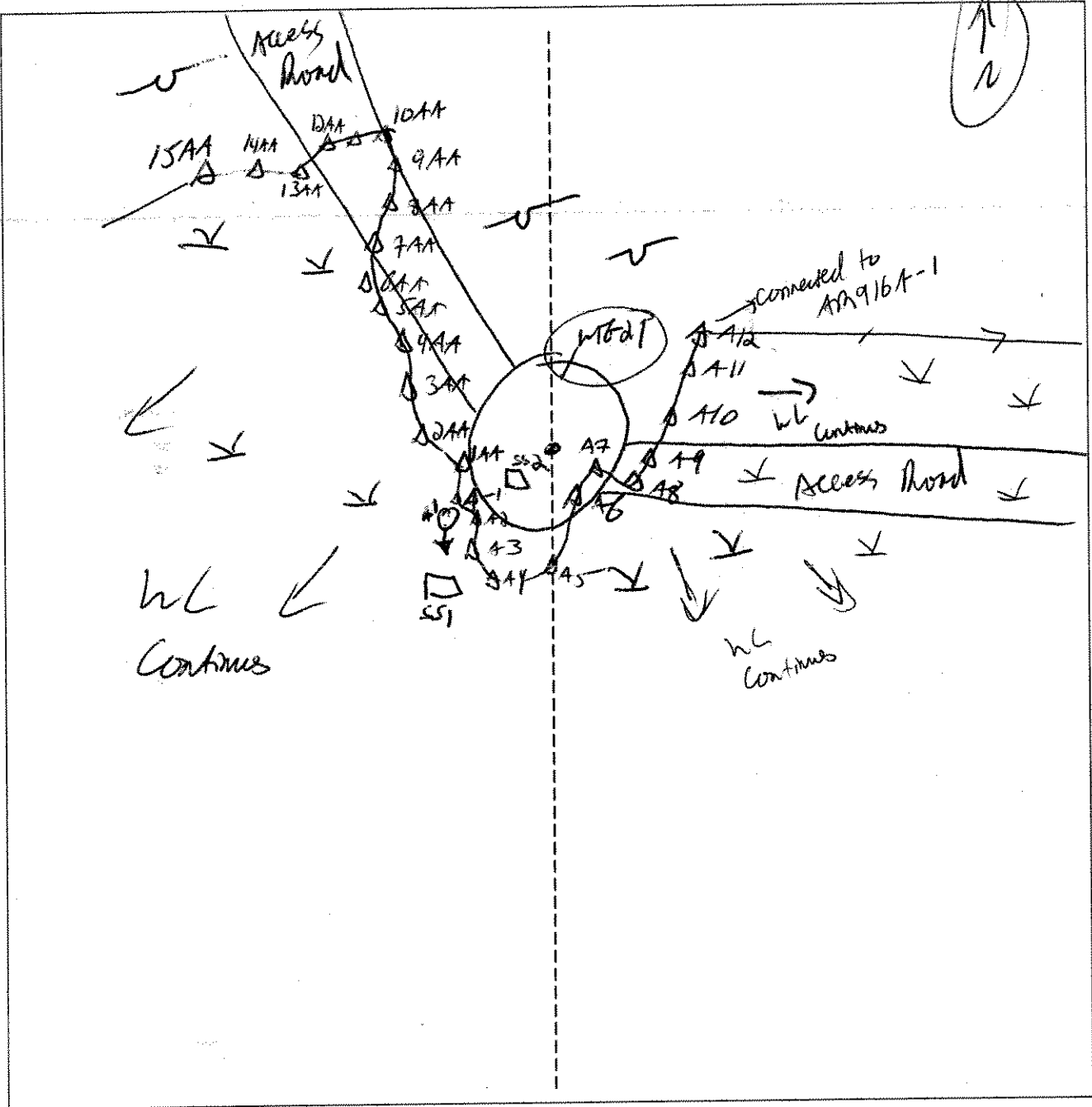
Map Unit Name (Series and Phase): <u>W/A</u>		Drainage Class: <u>WWD</u>			
Taxonomy (SubGroup): <u>U/M</u>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<u>0-3</u>	<u>Ap</u>	<u>10Y2 3/2</u>	<u>None</u>	<u>None</u>	<u>FCV</u>
<u>3-12</u>	<u>Bw<sub>1</sub></u>	<u>10Y2 3/4</u>	<u>None</u>	<u>None</u>	<u>FCV</u>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <b>WTO 21-A</b>	Date: <b>5/15/06</b>	Time:
Initials of Delineators: <b>KAH, BR</b>	Location: <b>East of Rte 189</b>	
Roll #: <b>KAH</b>	Frames: <b>1</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BL</i>	Date: <i>7-29-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>WT628A-A-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>35</i> Herb: <i>60</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Abies balsamea</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Abies balsamea</i>	<i>SH</i>	<i>FAC</i>	11.		
4. <i>Mountain holly</i>	<i>SH</i>	<i>OBL</i>	12.		
5. <i>Golden thread</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Cornus canadensis</i>	<i>H</i>	<i>FAC-</i>	14.		
7. <i>Viburnum cassinoides</i>	<i>SH</i>	<i>FACW</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>86%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>4"</i>	
Remarks:	

Date: 7-29-06  
 Community ID:  
 Plot ID:

WT6 28A-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O <sub>i</sub>	10YR 2/2	—	—	Red
3-6	O <sub>e</sub>	2.5Y 2.5/1	—	—	Yellow
6-10	E	2.5Y 6/2	2.5Y 5/2 + organic streak	5%	loamy sand
10-12	BHS	7.5YR 2/2	7.5YR 4/4		

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input checked="" type="checkbox"/> Other (Explain in Remarks) *
--	--

Remarks:  
 \* - redox in E

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-29-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>WTG 284-B-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>60</u>	Shrub: <u>30</u>	Herb: <u>30</u>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>			9.
2. <u>Agies balsamea</u>	<u>T</u>	<u>FAC</u>			10.
3. <u>Mountain holly</u>	<u>SH</u>	<u>OBL</u>			11.
4. <u>Agies balsamea</u>	<u>SH</u>	<u>FAC</u>			12.
5. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>			13.
6. <u>goldenrod</u>	<u>H</u>	<u>FAC</u>			14.
7. <u>Carex sp.</u>	<u>H</u>	<u>OBL</u>			15.
8					16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <span style="float: right;"><u>100%</u></span>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>3"</u>	Remarks:

Date: 7-29-06  
 Community ID: wetland  
 Plot ID:

WTG 289-B-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O <sub>2</sub>	7.5YR 3/3			Peat
2-4	A	10.5YR 2/1	7.5YR 3/4	2%	Sandy loam
4-6	E/B	2.5Y 6/1	2.5Y 4/2	5%	Sandy loam
			2.5Y 5/6	3	

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Other (Explain in Remarks) *

Remarks:  
 - soil extremely shallow  
 \* - discontinuous E/B but redox in E indicates hydric spodosol

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BR</i>	Date: <i>7-29-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>W1628A-AB-SSL</i>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *50* Shrub: *25* Herb: *60* Vine: \_\_\_\_\_

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Vaccinium angustifolium</i>	SH	FACU
2. <i>Abies balsamea</i>	T	FAC	10.		
3. <i>Canada mayflower</i>	H	FAC-	11.		
4. <i>Lycopodium obscurum</i>	H	FACU	12.		
5. <i>ground cedar (L. complanatum)</i>	H	FACU-	13.		
6. <i>Bracken fern</i>	H	FACU	14.		
7. <i>Abies balsamea</i>	SH	FAC	15.		
8. <i>Picea rubens</i>	SH	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *33%*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>none</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>none observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-29-06  
 Community ID:  
 Plot ID:

WT 628A - A/B-SS 2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	OS	10YR 2/8	none		
2-3	A	10YR 2/1	none		
3-6	Bw	10YR 4/1	none		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: extremely shallow soil

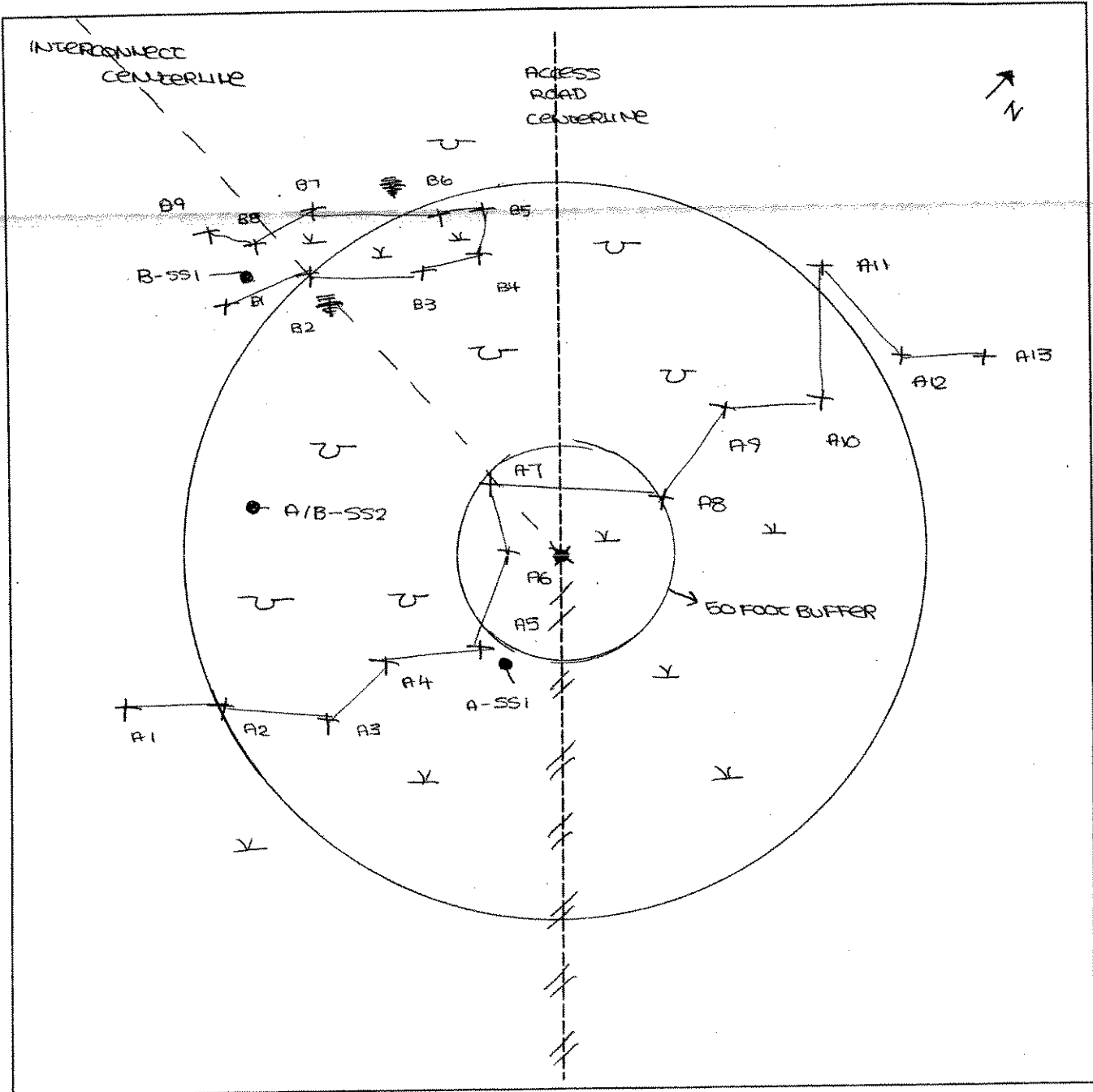
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/> No	
Hydric Soils Present?	Yes	<input type="radio"/> No	

Remarks

**SKETCH FORM**

Wetland ID/Route #: <b>WEG28A008 - A/B</b>	Date: <b>7/29/06</b>	Time:
Initials of Delineators: <b>BG / SC</b>	Location: <b>MARBLE RIVER</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: PFO4 Transect ID: Plot ID: WT628 A - B - SS1

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 90 Shrub: 45 Herb: 70 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>Monotrichum canadense</i>	H	FAC	10.		
3. <i>Sphagnum</i> sp. 350%	H	OBL	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): 12" + Depth to Saturated Soil (in.): 2"	
Remarks:	

Date: 5/9/07  
 Community ID: WTG 28 A - B - 882  
 Plot ID: SS1

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			
2-5	A	10YR 2/1			
5-12	B	2.5Y 5/2	10YR 1/1	faint, common, sparse	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: saturated @ 2"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetlands Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: photo 1 = N DEC 06 pileated woodpecker observed	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: WTC 20 A-B-552

EXT

**VEGETATION**

Plant Community Classification: Balsam Flats  
 Percent Canopy Cover: Tree: 90 Shrub: 25 Herb: 30 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamiae</i>	T	FAC	9.		
2. <i>Picea canadensis</i> H		FAC	10.		
3. <i>Lycopodium obscurum</i>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75%

Remarks: *Acer rubrum* 25%  
*Atthyrium filix femina* 25%

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations: <u>NA</u></p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	
<p>Remarks:</p>	

Date: 5/9/07  
 Community ID: UPL  
 Plot ID: WT628 A-B 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	O	7.5YR 2.5/2			
5-11	A	10YR 2/1	10YR 5/2	distinct, few, md	silt

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: refusal ≤ 11" , ORCS on A

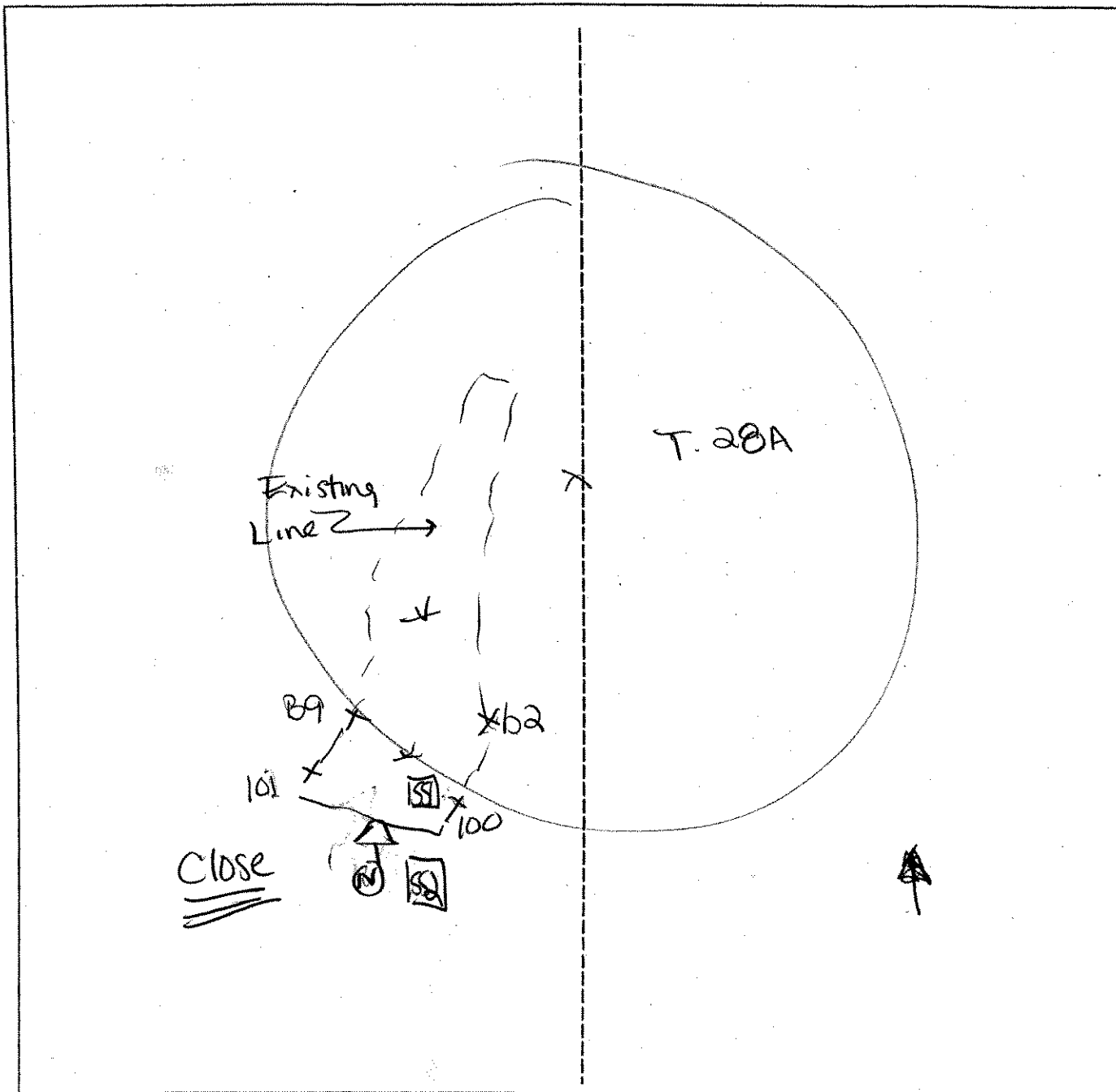
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>WTG 28 A-B EXT</b>	Date: <b>5/9/07</b>	Time:
Initials of Delineators: <b>JV AP</b>	Location: <b>T. 28 A</b>	
Roll #: <b>1 = N</b>	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <span style="margin-left: 100px;">RD JV</span>	Date: 10/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PFD1/PFO1 Transect ID: Plot ID: WTC61 R-A-SSI

**VEGETATION**

Plant Community Classification: PFD1/PFO1 - UDUWS  
 Percent Canopy Cover: Tree: 50 Shrub: 40 Herb: 80 Vine: 6

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. N. W. cedar	T	FACW	9. Sphagnum sp.	H	ABL
2. A. rubrum	T	FAC	10.		
3. A. rubrum	S	FAC	11.		
4. Oenoclea sensibilis	H	FACW	12.		
5. B. populifolia	T	FAC	13.		
6. Carex sp.	H	—	14.		
7. Aster sp.	H	—	15.		
8. Utricularia affinis	H	FACW	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <i>to surface</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands
<b>Field Observations:</b> Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 6	<b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks:	

Date: 10/25/06  
 Community ID: PFD  
 Plot ID: WT631-R-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1			silty clay loam
6-8	B <sub>1</sub>	10YR 4/2			silty clay
8-18	B <sub>2</sub>	10YR 6/2	10YR 4/1	many, med, polished	clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	No	

Remarks

2 => NW

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <span style="float: right;">RD JV</span>	Date: 10/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes</span> Is the area a potential Problem Area? <span style="float: right;">Yes</span> (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: WT-31-R-A 552

**VEGETATION**

Plant Community Classification: Young Forest Percent Canopy Cover: Tree: 85 Shrub: 55 Herb: 75 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. balsamea</i>	T	FAC	9. LNK MOSS	H	—
2. " "	S	FAC			
3. <i>A. rubrum</i>	T	FAC			
4. " "	S	FAC			
5. <i>B. populifolia</i>	T	FAC			
6. " "	S	FAC			
7. <i>Wormwoodia</i> sp.	H	—			
8. <i>Lycopodium</i> sp.	H	—			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100 //					
Remarks: <i>Fagus sylvatica</i> , Cedar sub-dominant					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: None Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/25/06  
 Community ID: upland  
 Plot ID: WTG31-R-A-552

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/2			silt loam
10-12	B <sub>1</sub>	10YR 4/3			silt clay loam
12-18	B <sub>2</sub>	10YR 4/4			silt clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <span style="float: right;">RD JV</span>	Date: 10/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PFO1/PFO4 Transect ID: Plot ID: DTG31-R-B SSI

**VEGETATION**

Plant Community Classification: PFO1/PFO4					
Percent Canopy Cover: Tree: 60 Shrub: 15 Herb: 60 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. N. White Cedar	T	FACW	9. Aster sp.	H	—
2. A. rubrum	T	FAC	10. R.C. Grod	H	FAC
3. A. rubrum	S	FAC	11. Carex sp.	H	—
4. A. balsamiae	T	FAC	12.		
5. A. balsamiae	S	FAC	13.		
6. A. rubra	S	FACW	14.		
7. Amelanchier canadensis	S	FAC	15.		
8 N.W. cedar	S	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 9/19					
Remarks: Ulmus americana observed outside plots.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): 2" Depth to Saturated Soil (in.): 0	
Remarks: Drainage patterns to S.	

Date: 10/25/06  
 Community ID: PFO/1/PFO4  
 Plot ID: WTG 21-R-B SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1			Silty clay loam
6-10	B <sub>1</sub>	10YR 3/3			Silty clay loam
10-20	B <sub>2</sub>	10YR 6/3			Clay
10-20	B <sub>2</sub>	10YR 6/2			Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <span style="float: right;">RD JV</span>	Date: 10/25/06 County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: Upland Transect ID: Plot ID: Wt631-R-A-552			

**VEGETATION**

Plant Community Classification: <u>UP Coniferous/Deciduous Forest</u>					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>30</u> Herb: <u>45</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. "	<u>S</u>	<u>FAC</u>	10.		
3. <u>A. balsamiae</u>	<u>T</u>	<u>FAC</u>	11.		
4. "	<u>S</u>	<u>FAC</u>	12.		
5. <u>B. populiifolia</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>A. balsamiae</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Lycopodium sp.</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Woodwardia sp.</u>	<u>-</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>N.W. cedar observed outside plot</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>None</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/25/06  
 Community ID: Upland  
 Plot ID: WT631-R-B 552

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A <sub>2</sub>	10YR 4/2			Silt loam
9-18	A <sub>2</sub>	10YR 5/3			Silt clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

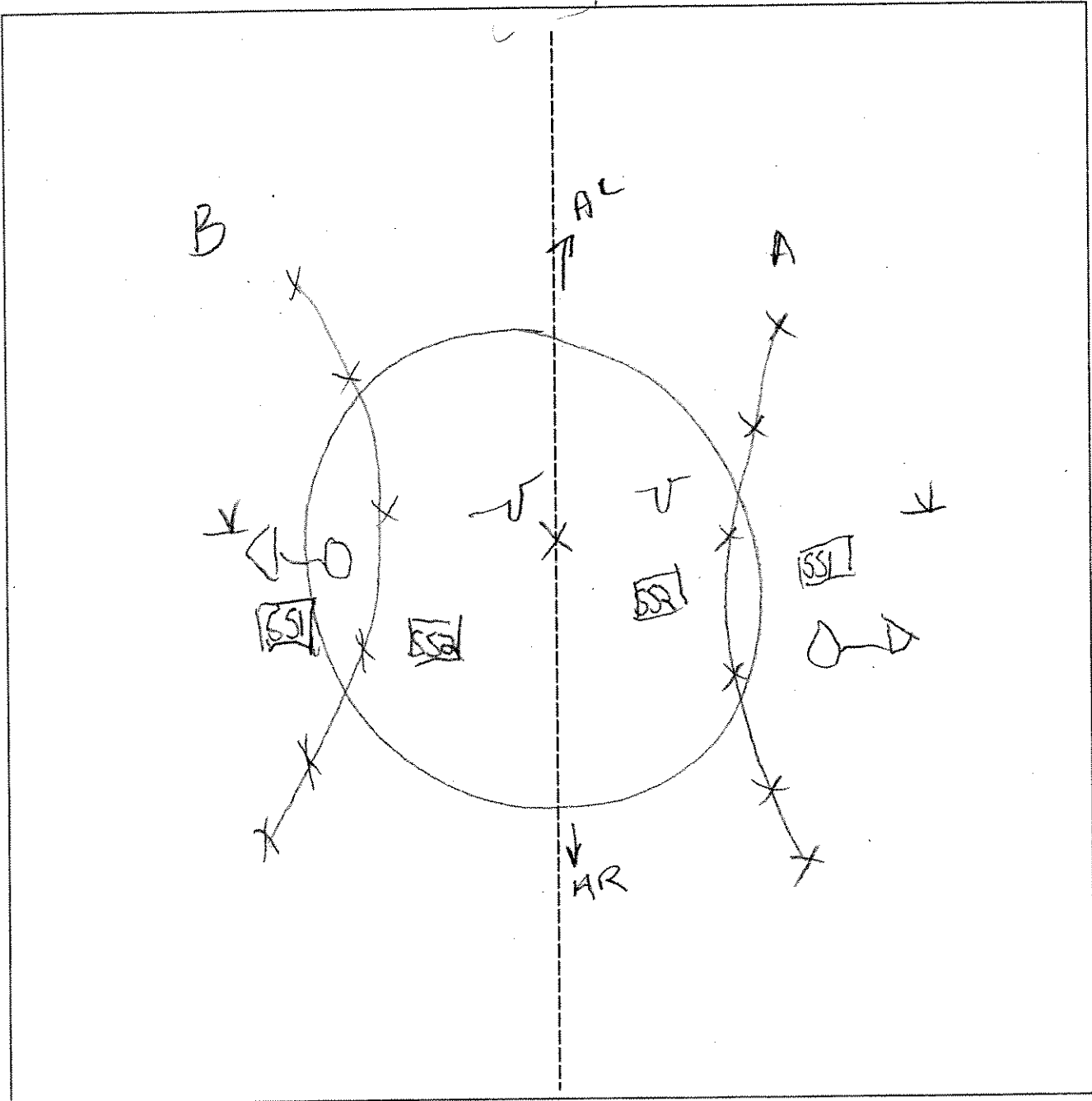
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	
Remarks			



SKETCH FORM

Wetland ID/Route #: WTG 31-R-A/B-	Date: 10/25/00	Time: 1030
Initials of Delineators: RD JV	Location: T.31	
Roll #:	Frames: A = 7 S B = 7 NW	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BQ</u>	Date: <u>5/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: _____ Plot ID: _____ <u>WT636A-A552</u>

**VEGETATION**

	Dominant Plant Species	Stratum	Indicator		Dominant Plant Species	Stratum	Indicator
+	1 <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9			
*	2 <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	10			
*	3 <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	11			
	4 <u>Cataegus sp</u>	<u>Sh</u>	<u>NPL</u>	12			
	5 <u>Prunus serotina</u>	<u>Sh</u>	<u>FACU</u>	13			
	6 <u>M. canadense</u>	<u>H</u>	<u>FAC-</u>	14			
	7			15			
	8			16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 50%

Remarks:

**HYDROLOGY** None

<input type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	
Remarks:	

**SOILS**

Map Unit Name \_\_\_\_\_  
 (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-8	Ap	10 YR 2/1	none		stony / oar
8-12 <sup>+</sup>	Bw	10 YR 4/4	none		↓

Hydric Soil Indicators:

Remarks: entirely stony below 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle)	(Circle) Is this Sampling Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: -Upland plot only on A series, for wetland plot see WIG 36A-BSS1

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BQ</u>	Date: <u>5/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wet</u> Transect ID: _____ Plot ID: _____ <u>WTG 36A-B551</u>

**VEGETATION**

	Dominant Plant Species	Stratum	Indicator		Dominant Plant Species	Stratum	Indicator
*	1 <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9			
*	2 <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10			
*	3 <u>Acer rubrum</u>	<u>Sh</u>	<u>FAC</u>	11			
*	4 <u>Osmunda cinnamomea</u>	<u>H</u>	<u>FAC</u>	12			
*	5 <u>Royal Fern</u>	<u>H</u>	<u>OBL</u>	13			
*	6 <u>Spiraea latifolia</u>	<u>Sh</u>	<u>FAC</u>	14			
*	7			15			
	8			16			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).				<u>100%</u>			
Remarks:							

**HYDROLOGY**

_____ Recorded Data (Described in Remarks): _____ Stream, Lake, or Tide Gauge _____ Aerial Photographs _____ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> _____ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to Free Water in Pic: <u>2"</u> (in.) Depth to Saturated Soil: <u>Surface</u> (in.)	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase): _____		Drainage Class: _____			
Field Observations Confirm Mapped Type? YES NO					
Profile Description:					
Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
3-0	De				
0-7	Ap	2.5Y 3/1	ox rhizo		loamy sand
7-10'	Bg	2.5Y 6/2	10YR 5/6	75%	↓
Hydric Soil Indicators: - low chroma colors					
Remarks: extremely stony below 10'					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle) Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle) Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks: - B series is an Upland Island	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BQ</u>	Date: <u>5/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: _____ Plot ID: _____ <u>WTG 36A-B-552</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
1	<i>A. rubrum</i>	Tree	FAC	9			
2	<i>Prunus serotina</i>	Tree	FACW	10			
3	<i>Prunus serotina</i>	Shrub	FACW	11			
4	<i>Crotogeus sp.</i>	Shrub	VPL	12			
5	<i>M. canadense</i>	Shrub	FAC-	13			
6				14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 20%

Remarks:

**HYDROLOGY** None

Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	
Remarks:	

# SOILS

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
1-0	Oe				
0-5	Ap	10YR 2/1			Sandy loam ↓
5-8	Bw <sub>1</sub>	10YR 4/6			
8-12	Bw <sub>2</sub>	2.5Y 5/4	7.5YR 5/6	2%	

Hydric Soil Indicators:

Remarks:

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No (Circle)	(Circle)
Wetland Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Is this Sampling Point Within a Wetland?			Yes <input checked="" type="radio"/> No

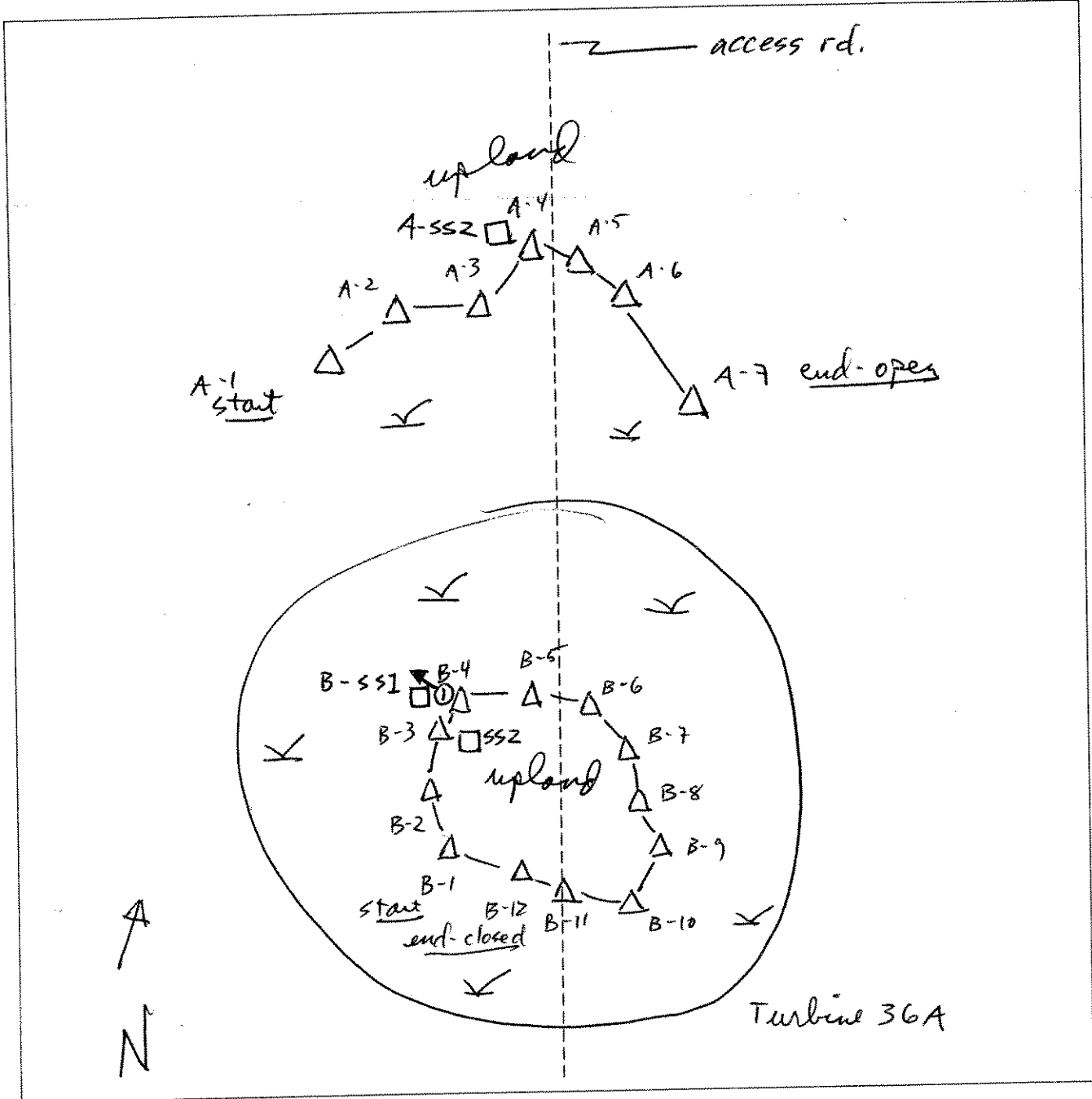
Remarks:

- B series is on Upland Island

Approved by HQUSACE 3/92

SKETCH FORM

Wetland ID/Route #: WT6 36A-A/B	Date: 5/16/06	Time: 10:45
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 1 facing NW to SSI & wetland	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BO JV	Date: 12/19/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PSS / PEM Transect ID: Plot ID: IC 360 / IC 361 SSI

**VEGETATION**

Plant Community Classification: PSS / PEM Percent Canopy Cover: Tree: 4 Shrub: 20% Herb: 75% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Beaked Willow	S	FACW	9.		
2. Silky Willow	S	FACW	10.		
3. Gray Birch	S	FAC	11.		
4. Red Osier	S	FACW	12.		
5. Cattail	H	OBL	13.		
6. Carex sp.	H		14.		
7. Wool Grass	H	OBL	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 10" Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 12/19/06  
 Community ID: PSS/PETM  
 Plot ID: IC300/IC301 - SSI

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2			organic silt/silt
6-16	B	10YR 2/1			silt clay loam
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks: Photo 4 #364 => NE 5 #365 => SW  DEC wetland (non-isolated) snow cover ~ 2'	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BD JV</i>	Date: <i>12/19/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Roadside</i> Transect ID: Plot ID: <i>IC360/361A-25</i>

**VEGETATION**

Plant Community Classification: <i>Roadside</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Solidago sp</i>	<i>H</i>	<i>-</i>	9.		
2. <i>Prunus serotina</i>	<i>S</i>	<i>FACU</i>	10.		
3. <i>Aster sp (Common)</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Abies balsamea</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Eve primrose</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>None</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 12/19/06  
 Community ID: Roadside  
 Plot ID: IC360/201 A - 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 3/3			Silt loam w/ gravel

- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks: Refused @ 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: IC360A	Date: 12/17/06	Time: 1541
Initials of Delineators: RD JV	Location: IC along Clinton Mills	
Roll #:	Frames:	

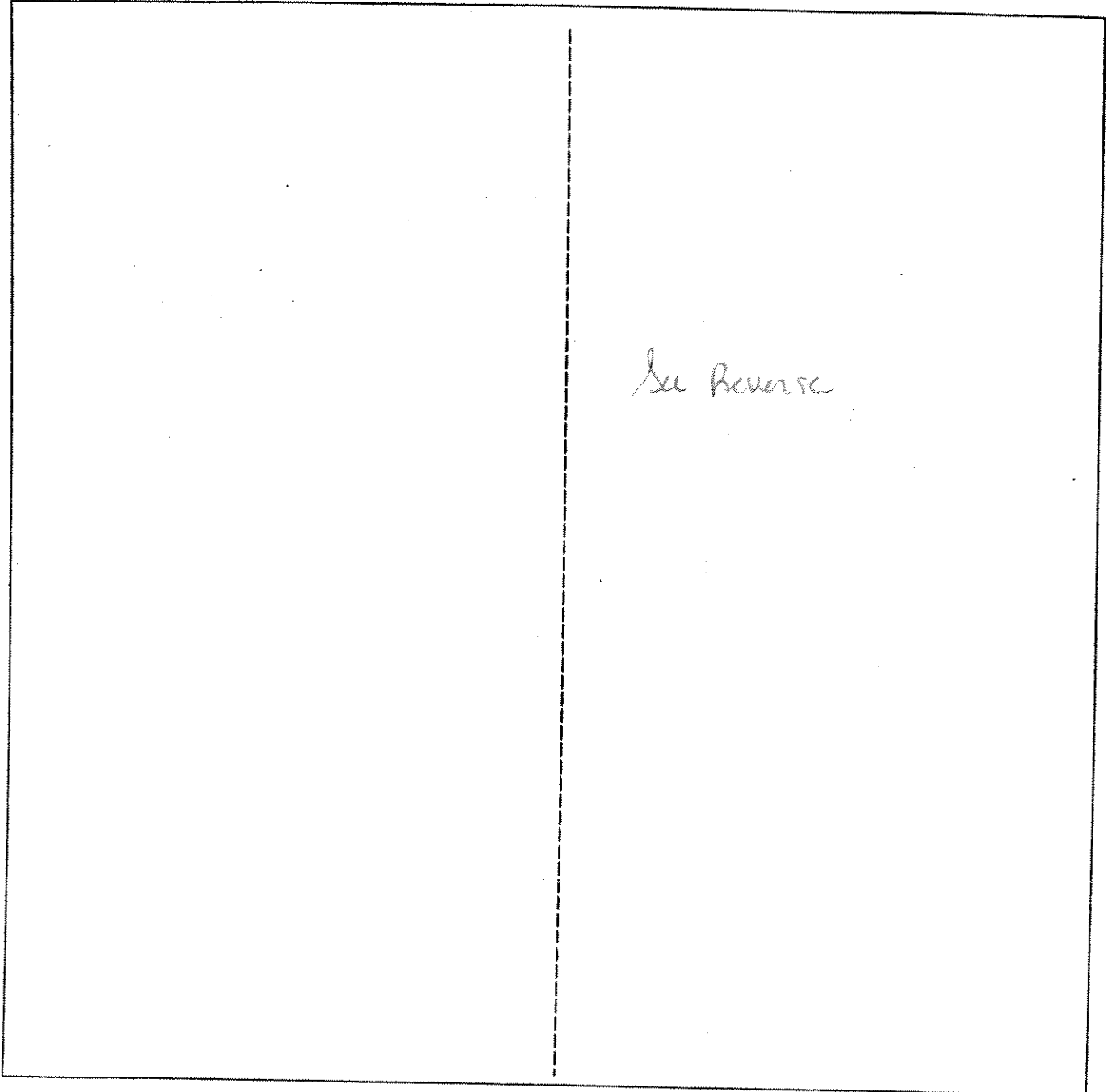
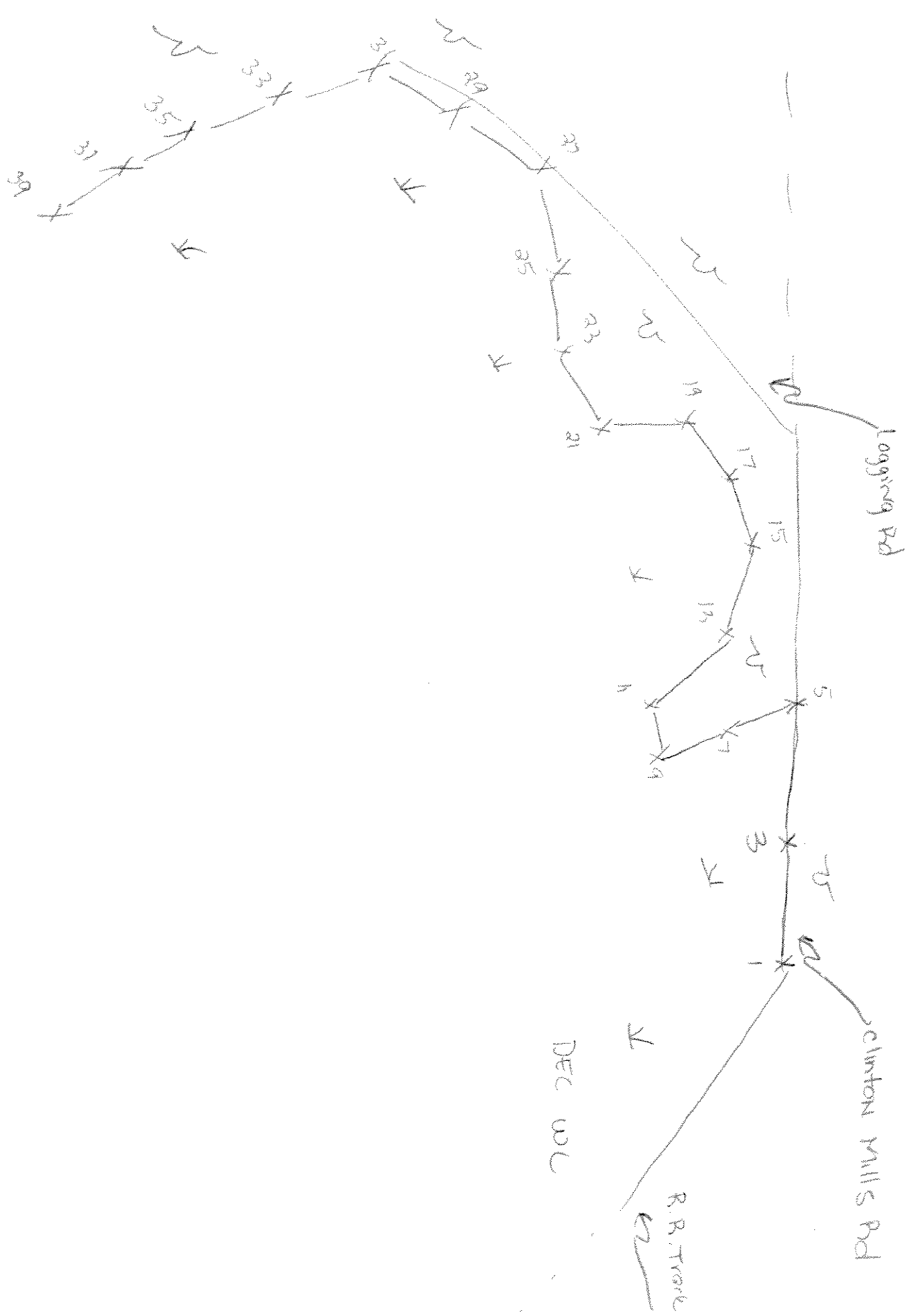
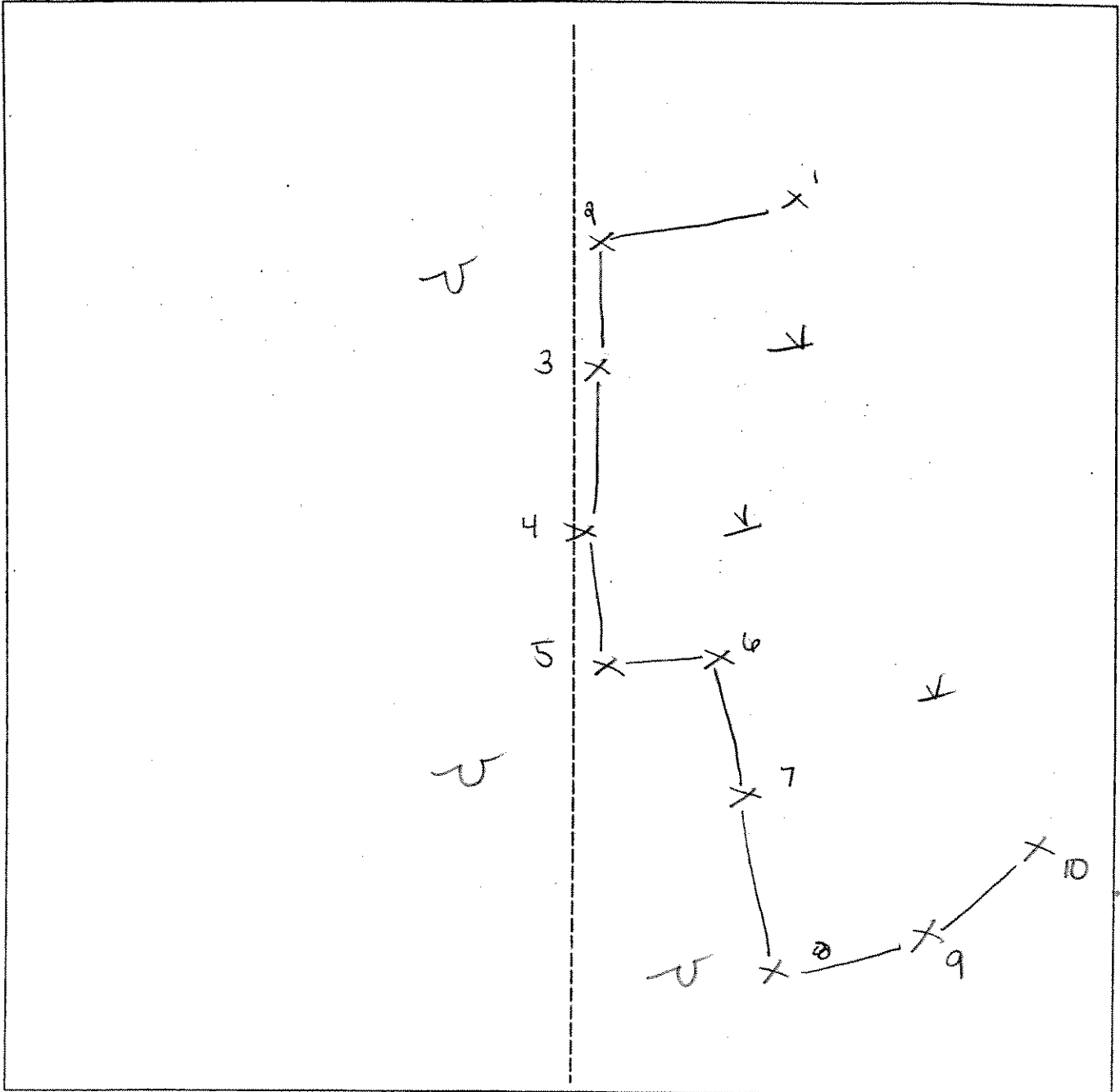


	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream



SKETCH FORM

Wetland ID/Route #: IC301 A	Date: 10/19/06	Time: 1445
Initials of Delineators: AD JV	Location: Clinton Mills Rd (IC)	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>12/19/00</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> <del>No</del> Is the area a potential Problem Area? Yes <input type="radio"/> <del>No</del> (If needed, explain on reverse.)	Community ID: <u>PSS/PEM</u> Transect ID: Plot ID: <u>10362-A SSI</u>  <div style="text-align: right;"><u>10363-A</u></div>

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 5% Shrub: 05% Herb: 70% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Alnus rugosa</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Cornus amomum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Sparganium angustifolium</u>	<u>N</u>	<u>FACW</u>	11.		
4. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns in Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Field Observations:  Depth of Surface Water (in.): <u>5"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



Date: 12/19/06  
 Community ID: PSS/PBM  
 Plot ID: 10362 A-SSI  
 10363 N

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-10	A	10YR 2/1			silt loam w/ organ

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal of auger @ 10"  
 Soil texture was also mucky.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks	Covered w/ approx 2" of snow (nm-isolated) Photo 1 = 362 2 = 363	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>HD JV</i>	Date: <i>12/19/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>upland</i> Transect ID: Plot ID: <i>10362A-552</i> <i>10363A</i>							

**VEGETATION**

Plant Community Classification: <i>Mixed Deciduous</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>30</i> Herb: <i>45</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus tremuloides</i>	T	FACU	9.		
2. <i>Populus sp.</i>	T	FACU	10.		
3. <i>Pop. trem.</i>	S	FACU	11.		
4. <i>Pop. sp.</i>	S	FACU	12.		
5. <i>Rubus alleghen.</i>	H	FACU	13.		
6. <i>Solidago sp.</i>	H	—	14.		
7. <i>Carex sp.</i>	H	—	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NONE</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 12/19/06.

Community ID: Forested

Plot ID: IC362-A-SS2  
IC363-A

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/2			Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal of anepi @ 6" due to stone + cobble

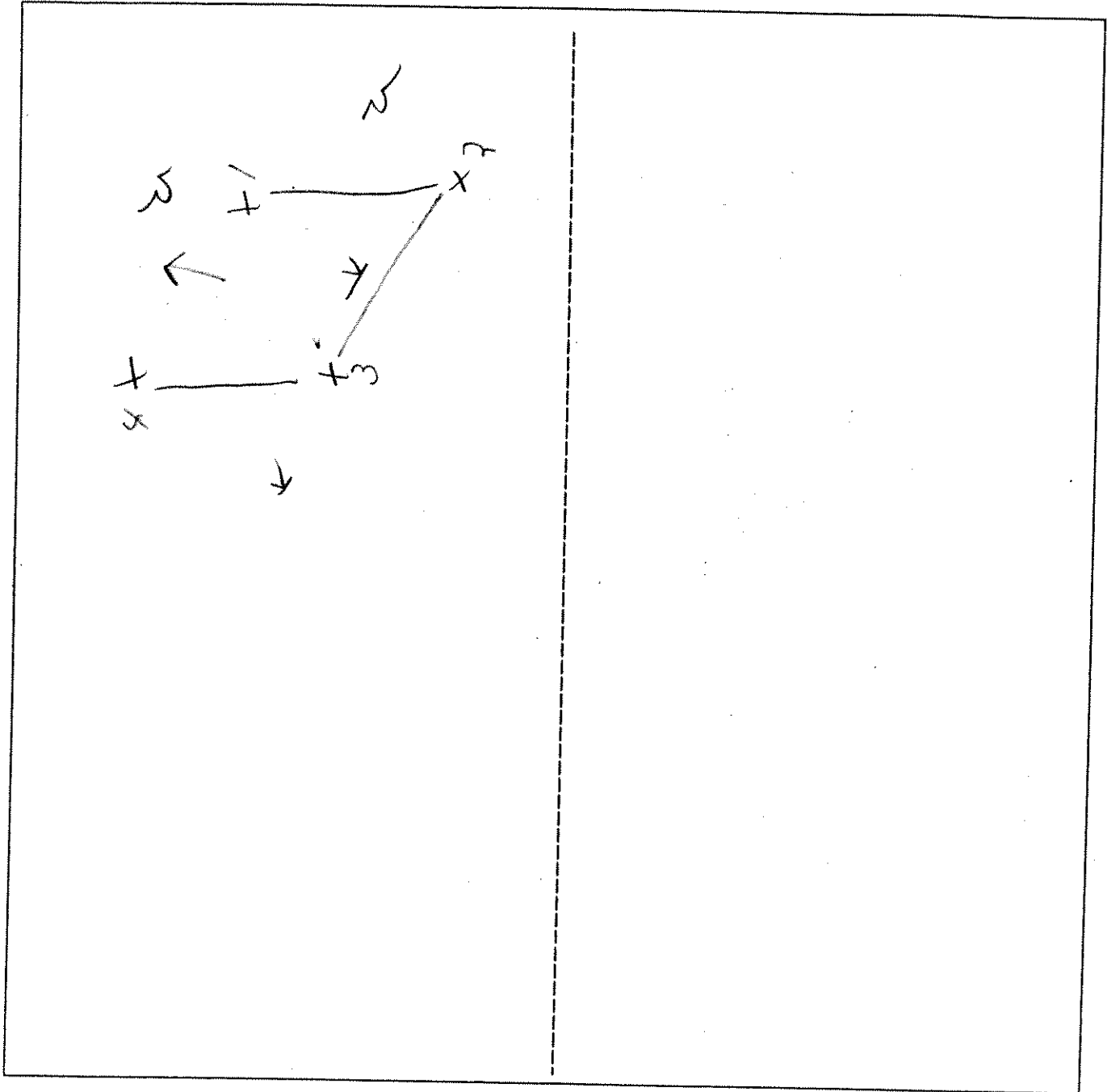
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: 1C303	Date: 12/19/06	Time: 1600
Initials of Delineators: RD JV	Location: 1C along Clinton Mills	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJ JV</i>	Date: <i>12/20/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>PSS/PEM</i> Transect ID: Plot ID: <i>IC 364A-551</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i> Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>85%</i> Herb: <i>65%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Acer rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Amelanchier sensibilis</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Carex</i> sp	<i>H</i>	<i>—</i>	12.		
5. <i>Solidago</i> sp	<i>H</i>	<i>—</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Betula populifolia, Acer rubrum also in wetland outside of sample station.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <i>in areas</i> <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>15" in areas</i> Depth to Free Standing Water in Pit (in.): <i>14-16"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Photo 1 @ South Area Pt 189          " 2 @ East</i>	

Date: 12/20/04  
 Community ID: WETLAND PSS/PEI  
 Plot ID:

ICE64A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/2	-	-	SILT CLAY LOAM
10-18	B	10YR 5/2	10YR 6/6	Common	SANDY CLAY LOAM *

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input checked="" type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: #816 streaking

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks  
 DEC WSL (Non isolated)  
 Snow cover approx 2"

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RD JV</i>	Date: <i>12/20/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>1C364A552</i>

**VEGETATION**

Plant Community Classification: <i>Hay Field</i>					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>100%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Taraxacum officinale</i>	H	FACU	9.		
2. <i>Ranunculus acris</i>	H	FAC	10.		
3. <i>Carex sp.</i>	H	—	11.		
4. <i>unk grass</i>	H	—	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NONE</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NONE</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 12/20/06  
 Community ID: upland  
 Plot ID: JC964A-552

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/2	—	—	silt loam
10-18	B	10YR 6/2	10YR 4/2	com/med/lt	sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

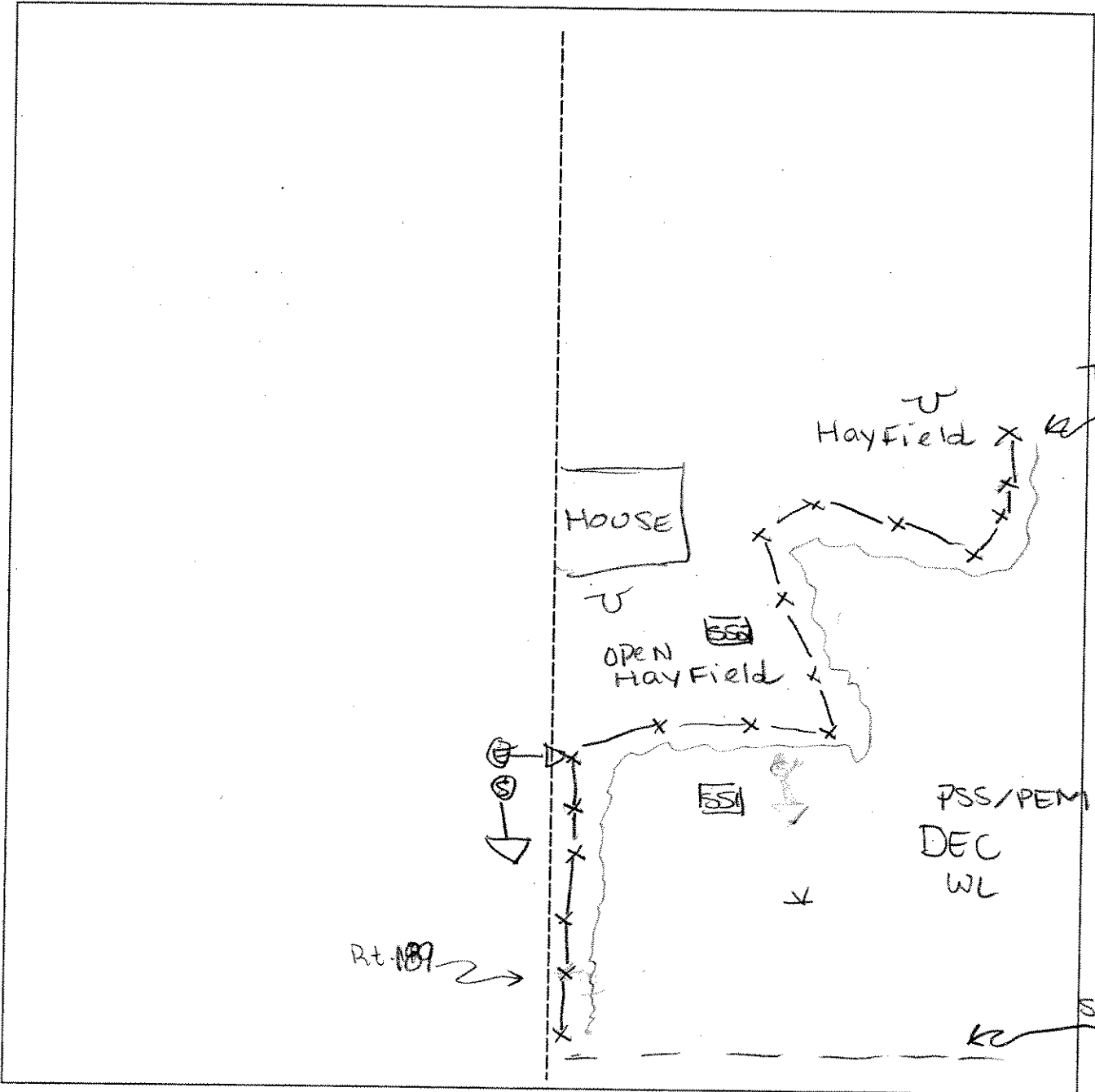
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/>	No <input type="radio"/>	
Remarks			



SKETCH FORM

Wetland ID/Route #: 1C364-A	Date: 12/20/00	Time: 0900
Initials of Delineators: BD JV	Location: 1C from Swamp Rd	
Roll #: 1 => S	Frames: Q = E	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MAADIE RIVER</u> Applicant/Owner: <u>MAADIE RIVER LLC</u> Investigator: <u>REN, SSC</u>	Date: <u>8/3/07</u> County: <u>Ch. Co.</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>W020A11</u> Transect ID: <u>#364A13</u> Plot ID: <u>SS?</u>

**VEGETATION** PSS/PCW

Plant Community Classification: Percent Canopy Cover: Tree: <u>59%</u> Shrub: <u>50%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPICEWOOD</u>	<u>S</u>	<u>FACW+</u>	9. <u>A-LEAFED TEARWORT</u>	<u>H</u>	<u>OBL</u>
2. <u>NOYAN WHITE CEDAR</u>	<u>T</u>	<u>FACW</u>	10. <u>Willow herb</u>	<u>H</u>	<u>OBL</u>
3. <u>CAREX CRINATA</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>RED TOP GRASS</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>SPURGEONWEED</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>SOFT RUSH</u>	<u>H</u>	<u>FACW+</u>	14.		
7. <u>BONE SET</u>	<u>H</u>	<u>FACW+</u>	15.		
8. <u>SOE PYLE WOOD</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Fairly Diverse</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>7"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>ASSOCIATED W/ PERENNIAL STREAM</u>	

Date: 8/3/07  
 Community ID: WERAND  
 Plot ID: JC364A1B-SS3

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/1	=	=	Silty CLAY
14-16	B	10YR 4/1	=	=	Silt w/ white coarse sand

- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks:  
 (RETURNS TO Ager AT 16")

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Isolated? Yes No
Wetlands Hydrology Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSHVILLE</u> Applicant/Owner: <u>MAINE RIVER LLC</u> Investigator: <u>TATY SCC</u>	Date: <u>8/17/07</u> County: <u>COLUM</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>IC364 A/B</u> Plot ID: <u>SS4</u>

**VEGETATION (PTO EDGE)**

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: 35% Shrub: 20% Herb: 40% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gray Birch	T/B	FAC	9. HEAL AN	H	FACU+
2. NANNY BERRY	S	FAC	10. RED CLOVER	H	FACU-
3. MERRILL'S SUELT	S	FACU	11.		
4. Rough Stems G. W.D	H	FAC	12.		
5. GARDNER	H		13.		
6. WITLUP	H	FAC	14.		
7. YARROW	H	FACU	15.		
8. STRAWBERRY	H	UPL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/11 = 45%

Remarks:

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p>	
Remarks:	

Date: 8/3/07  
 Community ID: Upland  
 Plot ID: 2C364 A13-854

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	7.5YR 3/2	-	-	Silt loam
6-8	B <sub>1</sub>	10YR 6/2	-	-	fine silt
8-18	B <sub>2</sub>	10YR 5/2	7.5YR 4/6	many / coarse / dist	CLAY

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

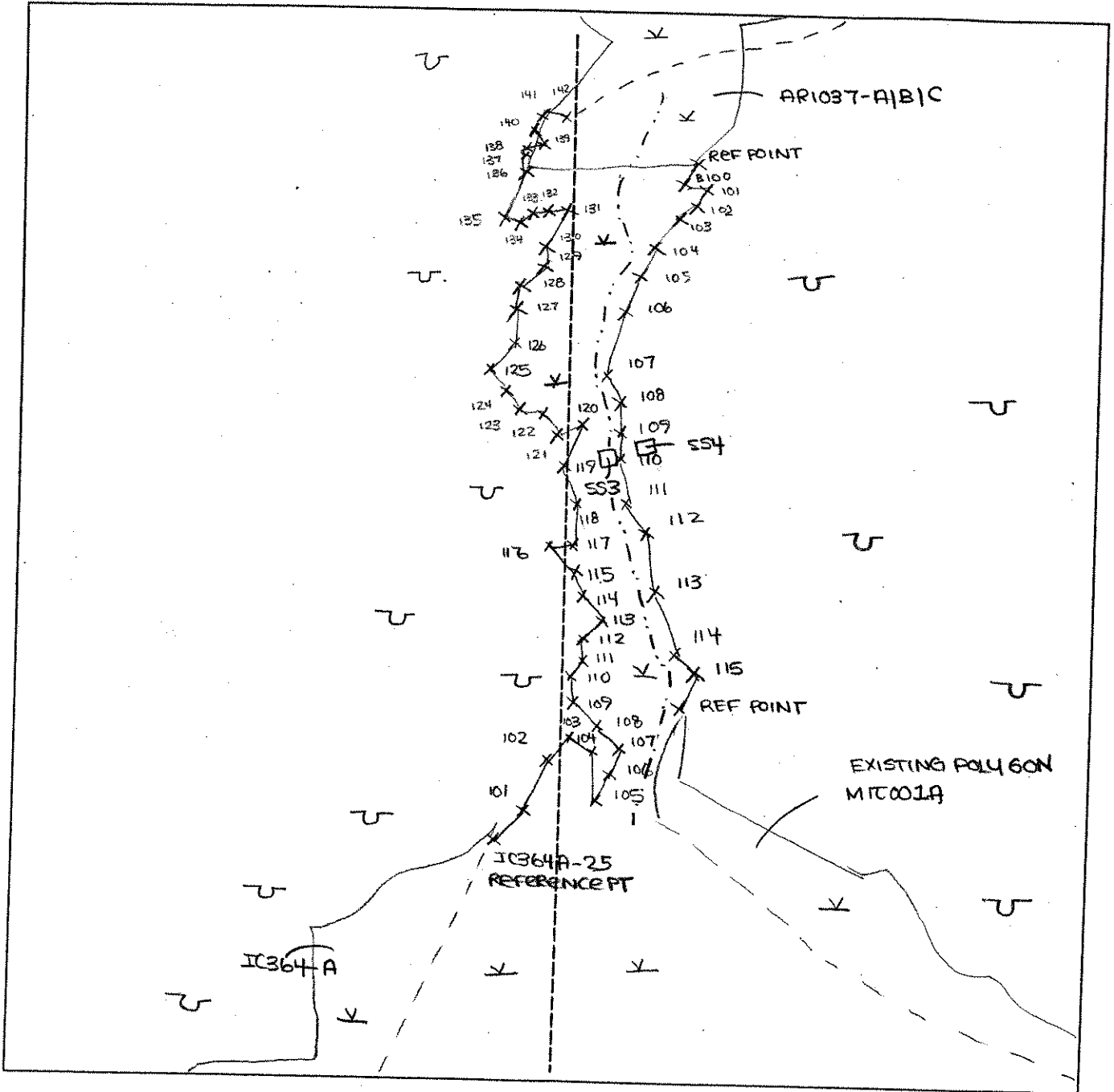
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Isolated? Yes No
Wetlands Hydrology Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Hydric Soils Present?	Yes No	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC364 A/B	<b>Date:</b> 8/3/2007 <b>Time:</b>
<b>Intials of Delineators:</b> RJD / SSC	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
○ ↗ Photo Location/Direction □ Sample Station - - - Centerline ▽ Flag	X Wetland ~ Upland — Stream - . . Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD JV	Date: 12/30/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: PSS/PEM Transect ID: Plot ID: 1C365A-SS1

**VEGETATION**

Plant Community Classification: PSS/PEM Percent Canopy Cover: Tree: 0 Shrub: 90% Herb: 95% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Willow sp	S	FACW	9. Soft Rush	H	FACW
2. Red twig Dogwood	S	FAC	10.		
3. Gray Birch	S	FAC	11.		
4. Meadow Sweet	S	FAC	12.		
5. Nanny berry	S	FAC	13.		
6. Reed Canary grass	H	FACW	14.		
7. Cat tails	H	OBL	15.		
8. Sensitive Fern	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated in areas <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 6" in places Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 12/20/06  
 Community ID: pss/pem  
 Plot ID: 10365 A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			Silt clay loam
12-19	B <sub>1</sub>	2.5Y 5/1	10YR 4/6	Common / Fine / Dist	Clay w/ sand
		2.5Y 5/2	10YR 4/6	"	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks DEC wetland covered w/ 2" snow (non-isolated)  
 Photo #3 => SE



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD, JV</u>	Date: <u>12/20/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>10365 A-552</u>

**VEGETATION**

Plant Community Classification: <u>Disturbed early successional</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>5%</u> Herb: <u>95%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aster sp.</u>	<u>H</u>	<u>-</u>	9.		
2. <u>Solidago sp.</u>	<u>H</u>	<u>-</u>	10.		
3. <u>Red twig dogwood</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Beard canary grass</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>ink grass</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Curl dog</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>2/3 = 75%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>None</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 12/20/06  
 Community ID:  
 Plot ID: 1C365A-552

**SOILS**

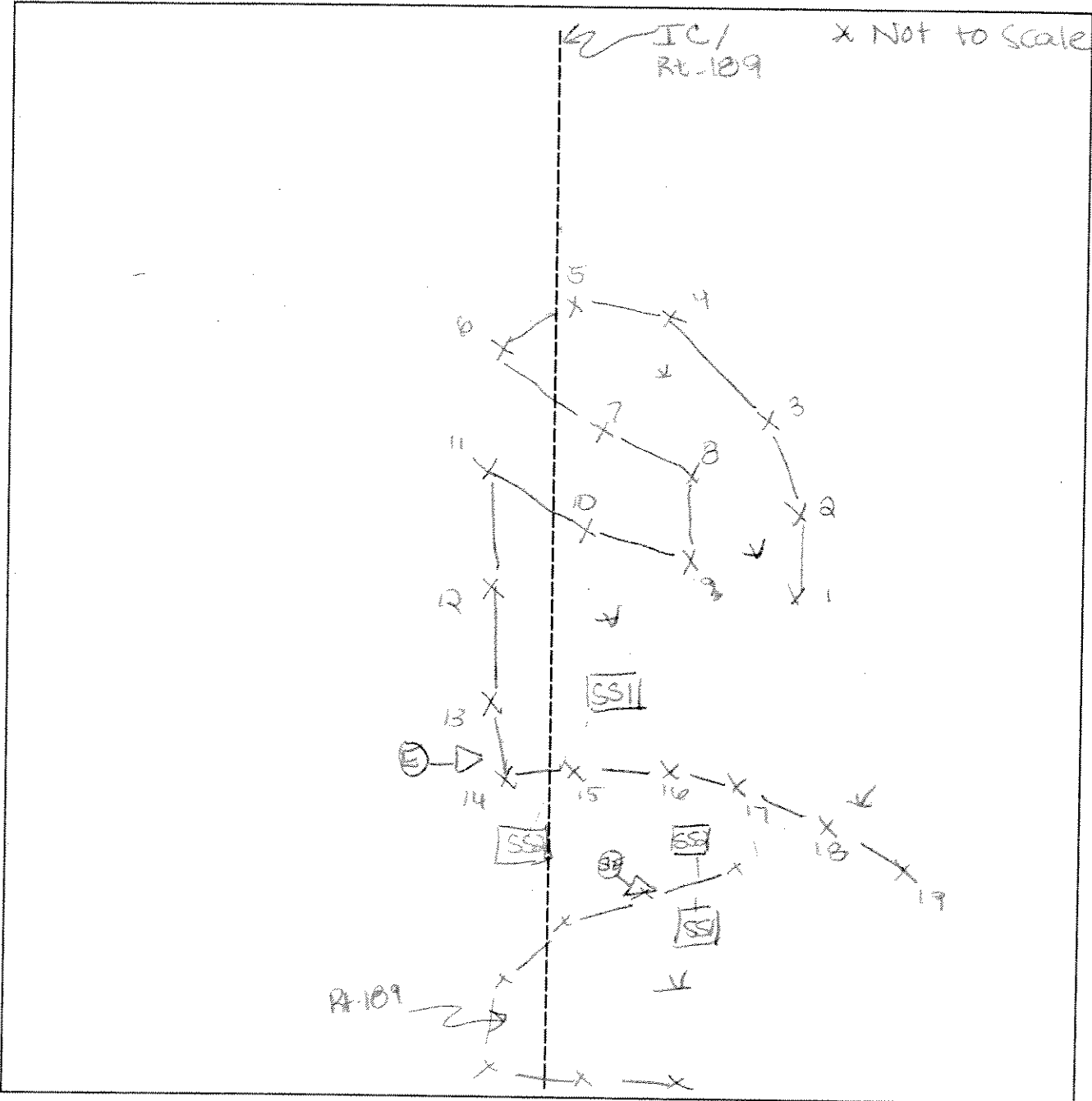
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
D-6	A	10YR 3/3			Silt lam 20/grade
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: *Disturbed Fill Refusal @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC 365A, IC 366A	<b>Date:</b> 12/20/06	<b>Time:</b> 1000
<b>Initials of Delineators:</b> RD JV	<b>Location:</b> IC along Rt-109	
<b>Roll #:</b>	<b>Frames:</b> #3 = SE                      #4 = E	



<u>Legend</u>	
○ ↗ Photo Location/Direction	∇ Wetland
□ Sample Station	▭ Upland
- - - Centerline	——— Stream
▷ Flag	- · - Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RO JV</u>	Date: <u>12/20/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PSS/PEM</u> Transect ID: Plot ID: <u>IC366A SSI</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>95%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red twig dogwood	S	FAC	9.		
2. Willow	S	FACW	10.		
3. Nanny berry	S	FAC	11.		
4. Golden-rod sp.	H	—	12.		
5. Aster sp.	H	—	13.		
6. Carex sp.	H	—	14.		
7. Juncus effusus	H	FACW	15.		
8. Sensitive Fern	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): Remarks: <u>Observed cattails outside sample station.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>8"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>12/20/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>10366A SSA</u>

**VEGETATION**

Plant Community Classification: <u>Early Successional</u> Percent Canopy Cover: Tree: <u>60%</u> Shrub: <u>20%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Trumbling Aspen</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Aster sp</u>	<u>H</u>	<u>—</u>	10.		
3. <u>Birch alleghaniensis</u>	<u>M</u>	<u>FACU</u>	11.		
4. <u>Salidago sp.</u>	<u>M</u>	<u>—</u>	12.		
5. <u>unk-shrub*</u>	<u>S</u>	<u>—</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>					
Remarks: * <u>Shrub unk due to seasonal conditions</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ? <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>None</u> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>10"</u> Depth to Saturated Soil (in.): <u>12"</u>	
Remarks:	

Date: 12/20/06  
 Community ID: Upland  
 Plot ID: 10366 A 552

**SOILS**

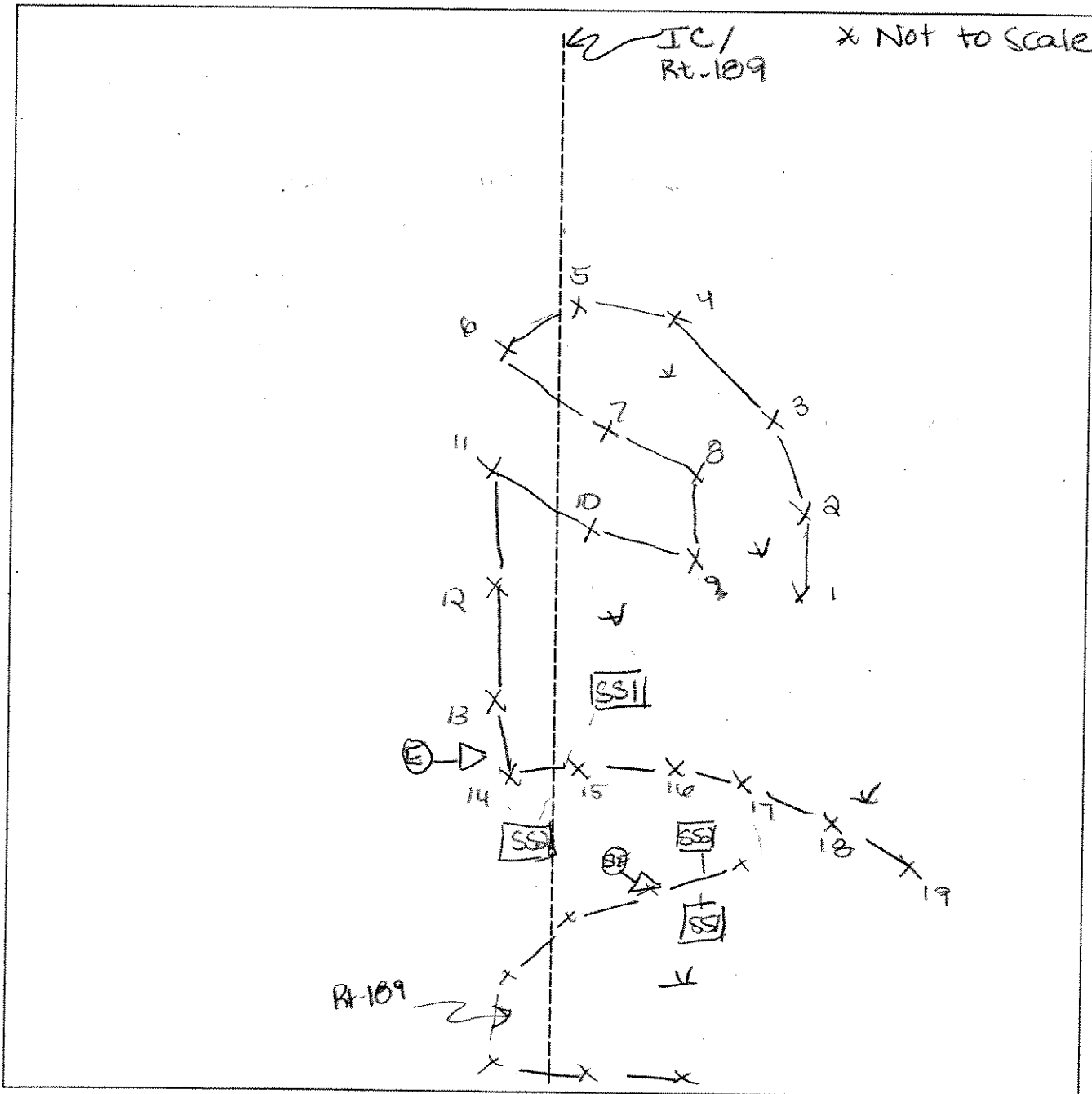
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			Silt loam
12-100	B	10YR 4/3			Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Wetlands Hydrology Present? Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks		

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC 365A, IC 366A	<b>Date:</b> 12/20/06	<b>Time:</b> 1000
<b>Initials of Delineators:</b> RD JV	<b>Location:</b> IC along Rt-109	
<b>Roll #:</b>	<b>Frames:</b> #3 = SE	#4 = E



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



All change to IC  
 Johan Form book  
**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

IC 535  
 861  
 Wetland A Gnis

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BR</u>	Date: <u>9/16/06</u> County: <u>Canta</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>IC 535 - A Gnis - 861</u>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 63.0 Shrub: 0 Herb: 85.6 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>Trees</u>	<u>FAC</u>	9.		
2. <u>Baldwin Birch</u>	<u>Trees</u>	<u>FAC</u>	10.		
3. <u>Sensitive Fern</u>	<u>Herb</u>	<u>FACW</u>	11.		
4. <u>Maryflower</u>	<u>Herb</u>	<u>FAC-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/4 = 75

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.): <u>Surface</u>  Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	

Date: 5/11/06  
 Community ID: P60  
 Plot ID:

IC S35 A Gaus

**SOILS**

Map Unit Name (Series and Phase): N/A  Taxonomy (SubGroup): N/A	Drainage Class: PD  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10YR 2/1	F8	F8	F8
8-16	Bu	10YR 5/2	10YR 6/6	Few/Med/Dist.	F8L

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

IC 535  
SS 2  
Upland ~~R~~ *Gms*

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble Rivelle</i> Investigator: <i>BR</i>	Date: <i>5/16/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> (If needed, explain on reverse.)	Community ID: <i>PEO</i> Transect ID: Plot ID: <i>IC 535 A - Series 062</i>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *85.5* <sup>*sup*</sup> Shrub: *20.5* Herb: *10.5* Vine: \_\_\_\_\_

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACV</i>	9.		
2. <i>Ironwood</i>	<i>Tree</i>	<i>FACV-</i>	10.		
3. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Balsam Fir</i>	<i>Sapling</i>	<i>FAC</i>	12.		
5. <i>Maple Shrub</i>	<i>Herb</i>	<i>FAC-</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/5 = 40*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 14"</i> Depth to Saturated Soil (in.): <i>&gt; 14"</i>	
Remarks:	

Date: 5/16/06  
 Community ID: PFO  
 Plot ID:

IL 535-852

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-7	Dp	10YR 3/2	none	none	FSL
7-14	Bw	10YR 7/6	none	none	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes	<input type="checkbox"/> No	
Hydric Soils Present?	Yes	<input type="checkbox"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Upland 552  
 ID 5353 UG B2

Project Site: <i>Munkle River</i> Applicant/Owner: <i>Munkle River LLC</i> Investigator: <i>BRZ</i>	Date: <i>5/16/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>950</i> Transect ID: Plot ID: <i>IC 5353-552</i>

**VEGETATION**

*B-Sites*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85.6</i> <sup><i>85</i></sup> Shrub: <i>38</i> Herb: <i>0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACV</i>	9.		
2. <i>Bitter Cherry</i>	<i>Tree</i>	<i>FACV</i>	10.		
3. <i>Balsam Fir</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Betula</i>	<i>Tree</i>	<i>FACV</i>	12.		
5. <i>Bitter Cherry</i>	<i>Shrub</i>	<i>FACV</i>	13.		
6. <i>Balsam Fir</i>	<i>Shrub</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/6 = 33</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.): <i>&gt; 15"</i>  Depth to Saturated Soil (in.): <i>&gt; 15"</i>	
Remarks:	

Upland

Date: 5/16/06  
Community ID: PFO  
Plot ID:

Id 535 B Series 852

**SOILS**

Map Unit Name  
(Series and Phase): N/A

Drainage Class: MWD

Taxonomy (SubGroup): N/A

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/1	None	None	ESL
6-15	Bw <sub>1</sub>	10YR 4/6	None	None	ESL

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Wetland 851  
 IC 53'S B - DBBZ

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BL</i>	Date: <i>5/16/06</i> County: <i>Cattaraugus</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>P60</i> Transect ID: Plot ID: <i>IS 85 - Series - 851</i>

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *63* Shrub: *380* Herb: *85.6* Vine: *6*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Marsh Marigold</i>	<i>Herb</i>	<i>OBL</i>	10.		
3. <i>Sensitive Fern</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Decorated Grasses</i>	<i>Herb</i>	<i>FACW</i>	12.		
5. <i>Arise</i>	<i>Shrub</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *100*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

*well defined Bushy*

Wetland

Date: 5/16/06  
Community ID: PFO  
Plot ID:

IC 535 B Series - 561

**SOILS**

Map Unit Name (Series and Phase): N/A	Drainage Class: PD
Taxonomy (SubGroup): N/A	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10Y2 3/2	none	none	sil
6-12	B20	10Y2 5/2	10Y2 6/8	few/med / Duff	sil

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

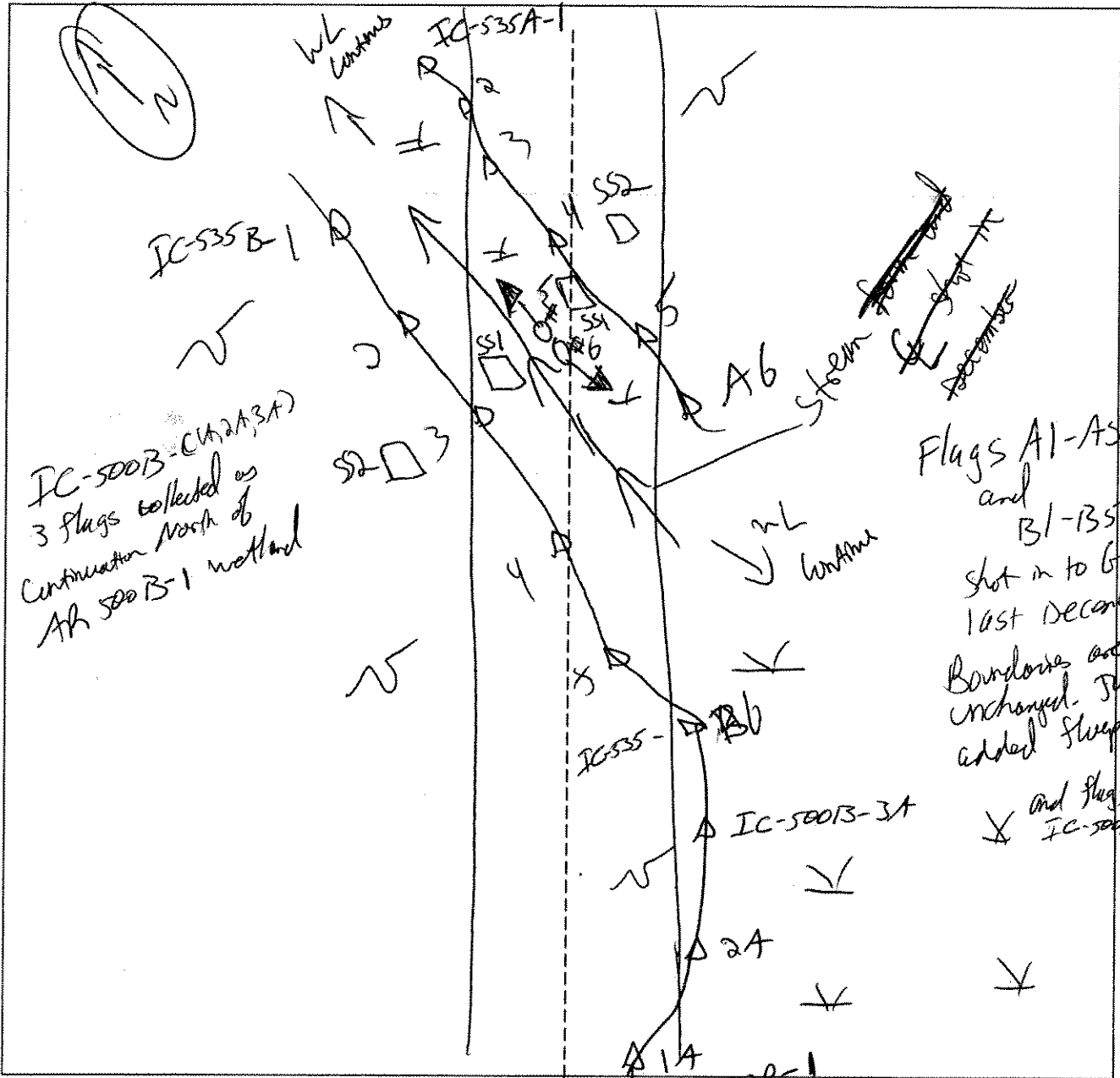
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks



SKETCH FORM

Wetland ID/Route #: IC-535A/B / IC-500B	Date: 5/16/06	Time:
Initials of Delineators: KIH, BR	Location: IC - North of WTB-148	
Roll #: KIH	Frames: S-N, 6-S	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

*existing wetland*

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/23/06</i> County: <i>Clinch</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>IC-727-A-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>70</i> Herb: <i>25</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Acer rubrum</i>	T	FAC	9.		
* 2. <i>Populus grandidentata</i>	T	FACU	10.		
* 3. <i>Betula populifolia</i>	T	FAC	11.		
* 4. <i>Viburnum cassinoides</i>	SH	FACW	12.		
* 5. <i>Spina latifolia</i>	SH	FACU	13.		
6. <i>Vaccinium angustifolium</i>	H	FACU	14.		
7. <i>M. canadense</i>	H	FACU	15.		
8. <i>Sphagnum</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>6"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/27/06  
 Community ID: wetland  
 Plot ID: IC 727-A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
3-0	O <sub>e</sub>	7.5YR 2.5/2			Peat
0-3	A	10YR 2/1	7.5YR 3/4	75%	Sandy loam
3-12+	B <sub>q</sub>	2.5Y 5/2	10YR 4/3	75%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Mable River Wind</i> Applicant/Owner: <i>Mable River LLC</i> Investigator: <i>BCQ</i>	Date: <i>5/2/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>LC 727-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Arceuthobium</i>	T	FAC	9.		
* 2. <i>Betula Populifolia</i>	T	FAC	10.		
* 3. <i>Abies balsamea</i>	T	FAC	11.		
* 4. <i>Abies balsamea</i>	Sh	FAC	12.		
5. <i>Brodiaea</i>	H	FACU	13.		
6. <i>M. canadense</i>	H	FAC-	14.		
7. <i>Lycopodium obscurum</i>	H	FACU	15.		
8. <i>Vaccinium angustifolium</i>	H	FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/23/06  
 Community ID: v7land  
 Plot ID:  
 IC 787-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10 YR 2/1	None		
3-4	E	10 YR 2/2	None		
4-5	Bhs	7.5 YR 3/0	None		
5-10*	Bw	10 YR 4/4	None		

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

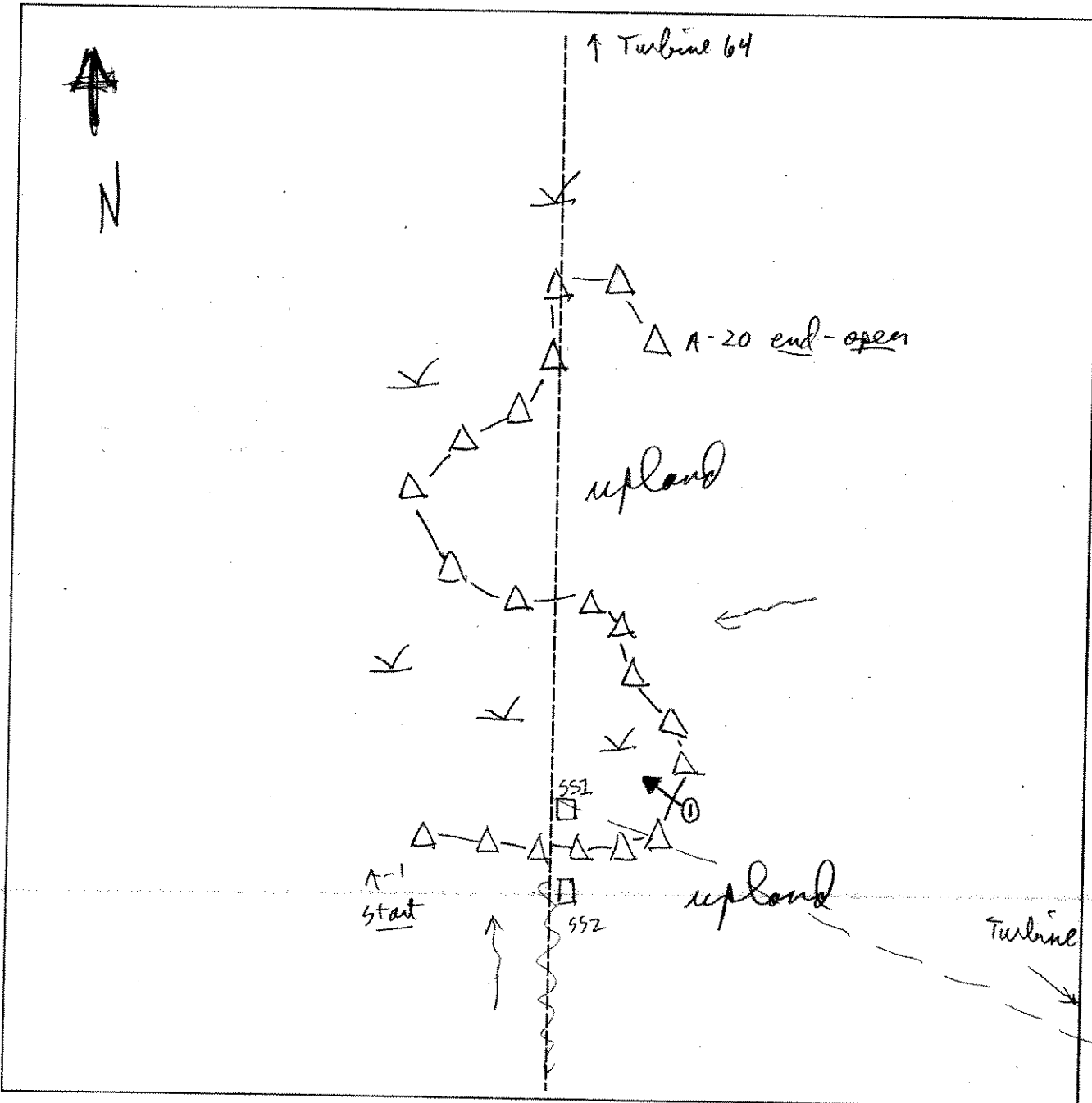
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: IC727A	Date: 5/23/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 1 & NW to wetland	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Middle River Wind</i> Applicant/Owner: <i>Middle River LLC</i> Investigator: <i>BQ</i>	Date: <i>5/23/06</i> County: <i>Clinkenshaw</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 727-B-551</i>

**VEGETATION**

Plant Community Classification: <i>Spl: 60</i> Tree: <i>60</i> Shrub: <i>50</i> Herb: <i>80</i> Vine: <i>0</i>																																																									
Percent Canopy Cover:																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Dominant Plant Species</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">Indicator</th> <th style="width: 30%;">Dominant Plant Species</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">Indicator</th> </tr> </thead> <tbody> <tr> <td>* 1. <i>Betula papyrifera</i></td> <td><i>SOD</i></td> <td><i>FAC</i></td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>* 2. <i>Abies balsamea</i></td> <td><i>SH</i></td> <td><i>FAC</i></td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>* 3. <i>Acer rubrum</i></td> <td><i>SH</i></td> <td><i>FAC</i></td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>* 4. <i>Viburnum cassinoides</i></td> <td><i>SL</i></td> <td><i>FACW</i></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>* 5. <i>Vaccinium angustifolium</i></td> <td><i>H</i></td> <td><i>FACU</i></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>* 6. <i>Sphagnum</i></td> <td><i>H</i></td> <td><i>OBL</i></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	* 1. <i>Betula papyrifera</i>	<i>SOD</i>	<i>FAC</i>	9.			* 2. <i>Abies balsamea</i>	<i>SH</i>	<i>FAC</i>	10.			* 3. <i>Acer rubrum</i>	<i>SH</i>	<i>FAC</i>	11.			* 4. <i>Viburnum cassinoides</i>	<i>SL</i>	<i>FACW</i>	12.			* 5. <i>Vaccinium angustifolium</i>	<i>H</i>	<i>FACU</i>	13.			* 6. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	14.			7.			15.			8.			16.			Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator																																																				
* 1. <i>Betula papyrifera</i>	<i>SOD</i>	<i>FAC</i>	9.																																																						
* 2. <i>Abies balsamea</i>	<i>SH</i>	<i>FAC</i>	10.																																																						
* 3. <i>Acer rubrum</i>	<i>SH</i>	<i>FAC</i>	11.																																																						
* 4. <i>Viburnum cassinoides</i>	<i>SL</i>	<i>FACW</i>	12.																																																						
* 5. <i>Vaccinium angustifolium</i>	<i>H</i>	<i>FACU</i>	13.																																																						
* 6. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	14.																																																						
7.			15.																																																						
8.			16.																																																						
Remarks:																																																									

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/23/06  
 Community ID: wetland  
 Plot ID: JC 786-B-951

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	O	10YR 2/1			peat
8-11	Bh	7.5YR 3/3	2.5Y 9/2	0-2 5%	
11-13+	Bw	7.5YR 5/2	2.5Y 8/6	7 5%	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
<p>- DEC wetland</p> <p>- edge of large bog / flooded swamp</p>			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/23/06</i> County: <i>Cincinnati</i> State: <i>OH</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 177-B-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>&lt; 5%</i> Herb: <i>0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>Populus glandulifera</i>	T	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Clear topo break</i>	

Date: 5/23/06  
 Community ID: Upland  
 Plot ID: IC 787-BSSJ

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/1	none		
3-4	E	10YR 2/1	none		
4-6	B <sub>hs</sub>	5YR 4/4	none		
6-12	B <sub>w</sub>	7.5YR 4/6	none		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

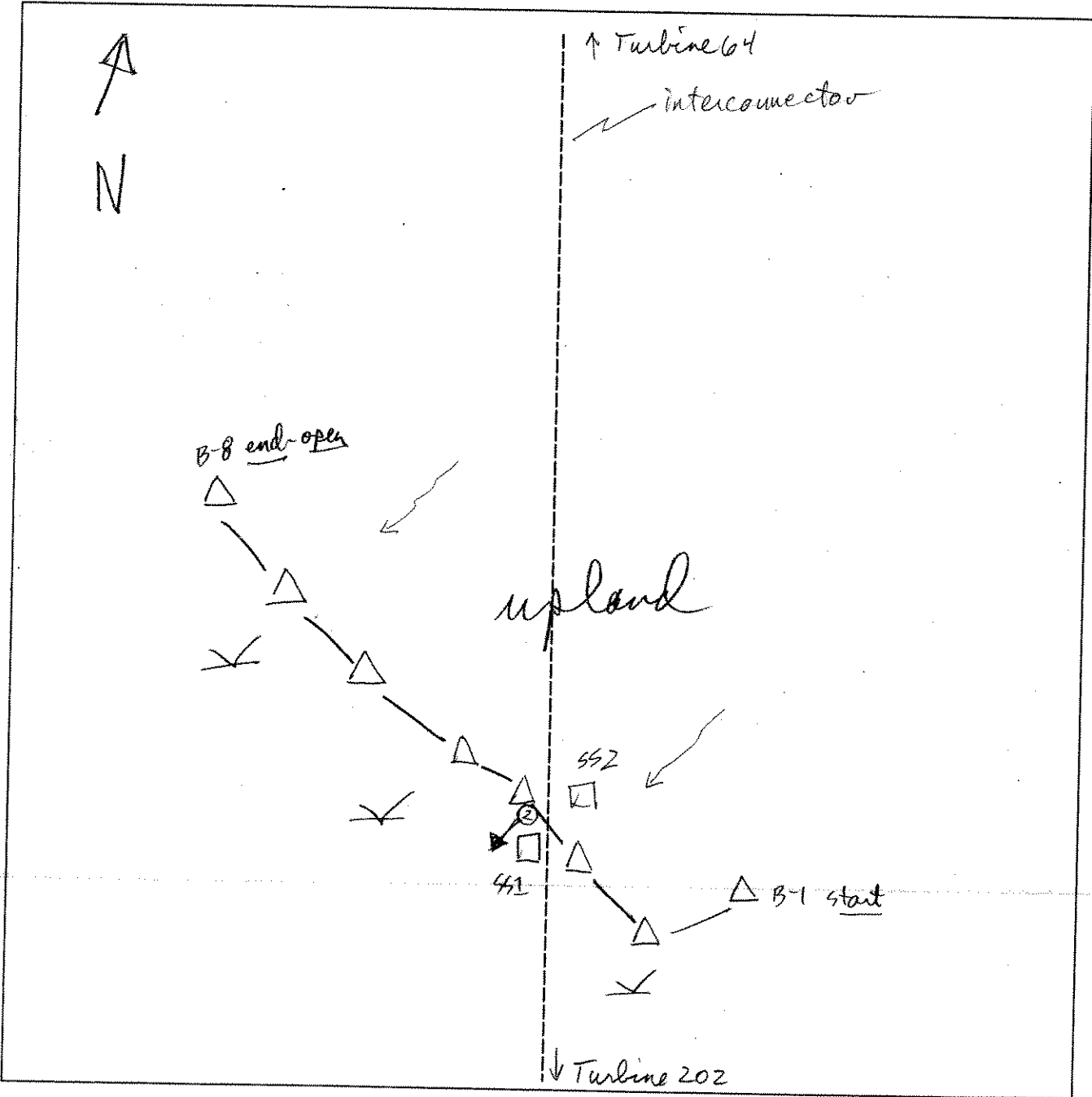
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

- DEC wetland

SKETCH FORM

Wetland ID/Route #: IC727B	Date: 5/23/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 2 @ SS1 & S to wetland	

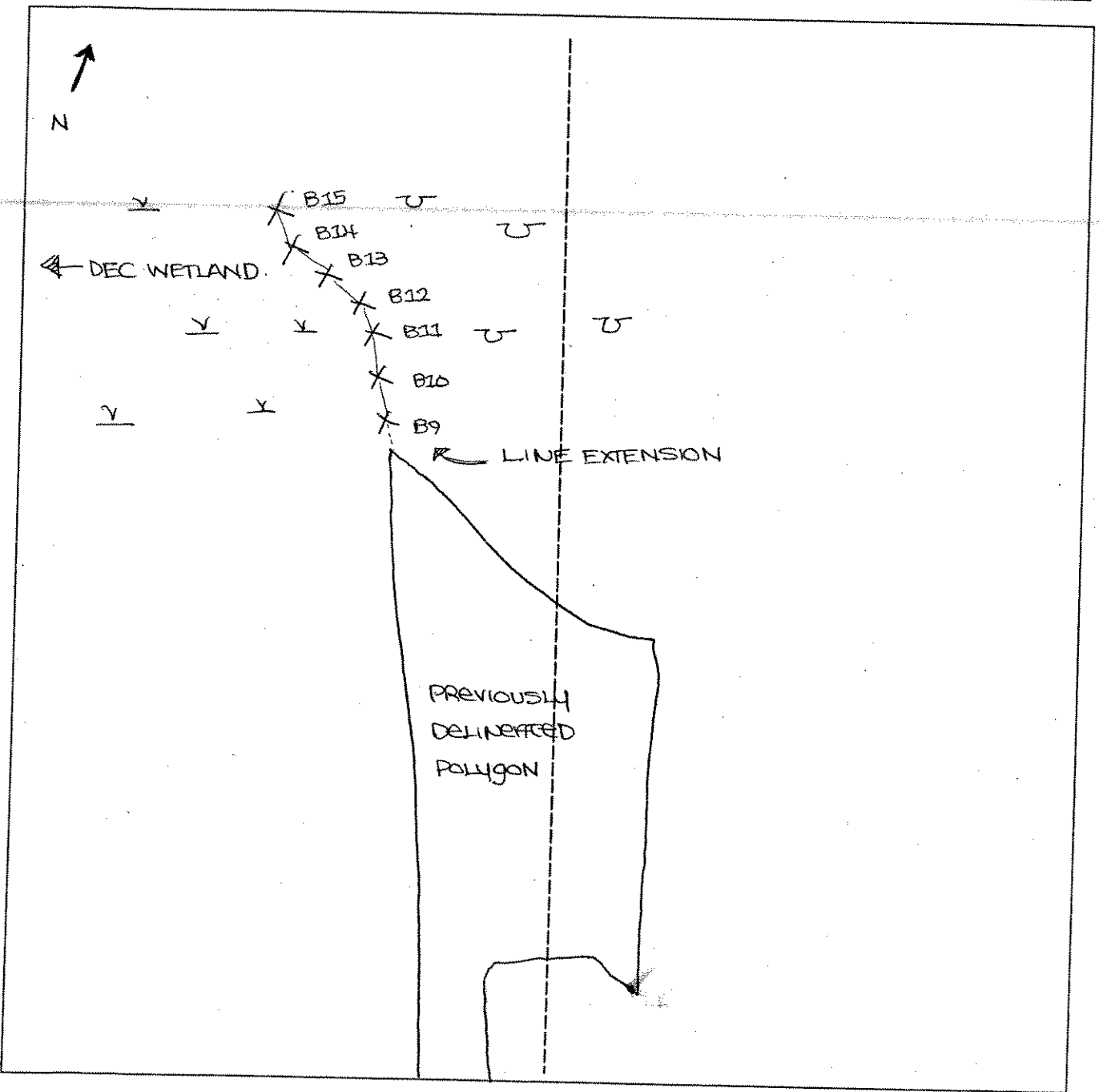


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

1 Line Extension

SKETCH FORM

Wetland ID/Route #: IC727B	Date: 7/19/06	Time:
Initials of Delineators: BQ / SC	Location: 7/19/06 MARBLE RIVER	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BR</i>	Date: <i>7-13-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>wet</i> Transect ID: Plot ID: <i>IC 736 - A - 551</i>

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
<i>1. Scirpus Atrovirens</i>	<i>H</i>	<i>OBL</i>	<i>9.</i>			
<i>2. Sarcus ciliatus</i>	<i>H</i>	<i>FACW</i>	<i>10.</i>			
<i>3. Glyceria striata</i>	<i>H</i>	<i>OBL</i>	<i>11.</i>			
<i>4. twig rush (Cladium Moriscoides)</i>	<i>H</i>	<i>OBL</i>	<i>12.</i>			
<i>5. tall buttercup</i>	<i>H</i>	<i>FAC+</i>	<i>13.</i>			
<i>6. Galium mollugo</i>	<i>H</i>	<i>NI</i>	<i>14.</i>			
<i>7. Solidago sp.</i>	<i>H</i>	<i>-</i>	<i>15.</i>			
<i>8</i>			<i>16.</i>			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):				<i>100%</i>		
Remarks: <i>Solidago early for I.D.</i>						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.): <i>10"</i>  Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 7-13-06  
 Community ID:  
 Plot ID:

IC 738-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:						
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.	
0-12	A2	2.5Y 2.5/1	10YR 4/4 } 2.5Y 5/1 }	2%	Stony loam	
12-16+	Bw	2.5Y 5/2	10YR 4/6	25%	loamy sand	

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Evenly stoney

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks:

PSC 45 N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7-13-06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><del>No</del></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><del>No</del></td> </tr> </table>	Yes	No	Yes	<del>No</del>	Yes	<del>No</del>
Yes	No						
Yes	<del>No</del>						
Yes	<del>No</del>						
Community ID: Upland Transect ID: Plot ID: IC 738-A-552							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Plantago major</i>	H	FACW	9.		
2. <i>Helianthus discolor</i>	H	CPL	10.		
3. <i>Hordeaceae (A. Minus)</i>	H	FACW	11.		
4. <i>Vetula (V. grisea)</i>	H	FACW	12.		
5. <i>Solidago sp.</i>	H	-	13.		
6. <i>Gallium nudicaule</i>	H	NI	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Now
Remarks:	

Date: 7-13-06  
 Community ID: vpland  
 Plot ID:  
 FC 738-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	Ap	10YR 3/2	None		
18-20+	Bw	10YR 4/4	None		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

551                      552

↓                              ↓

↑ good topo

- No redox or ox Rhizo in A

- 3

**WETLAND DETERMINATION**

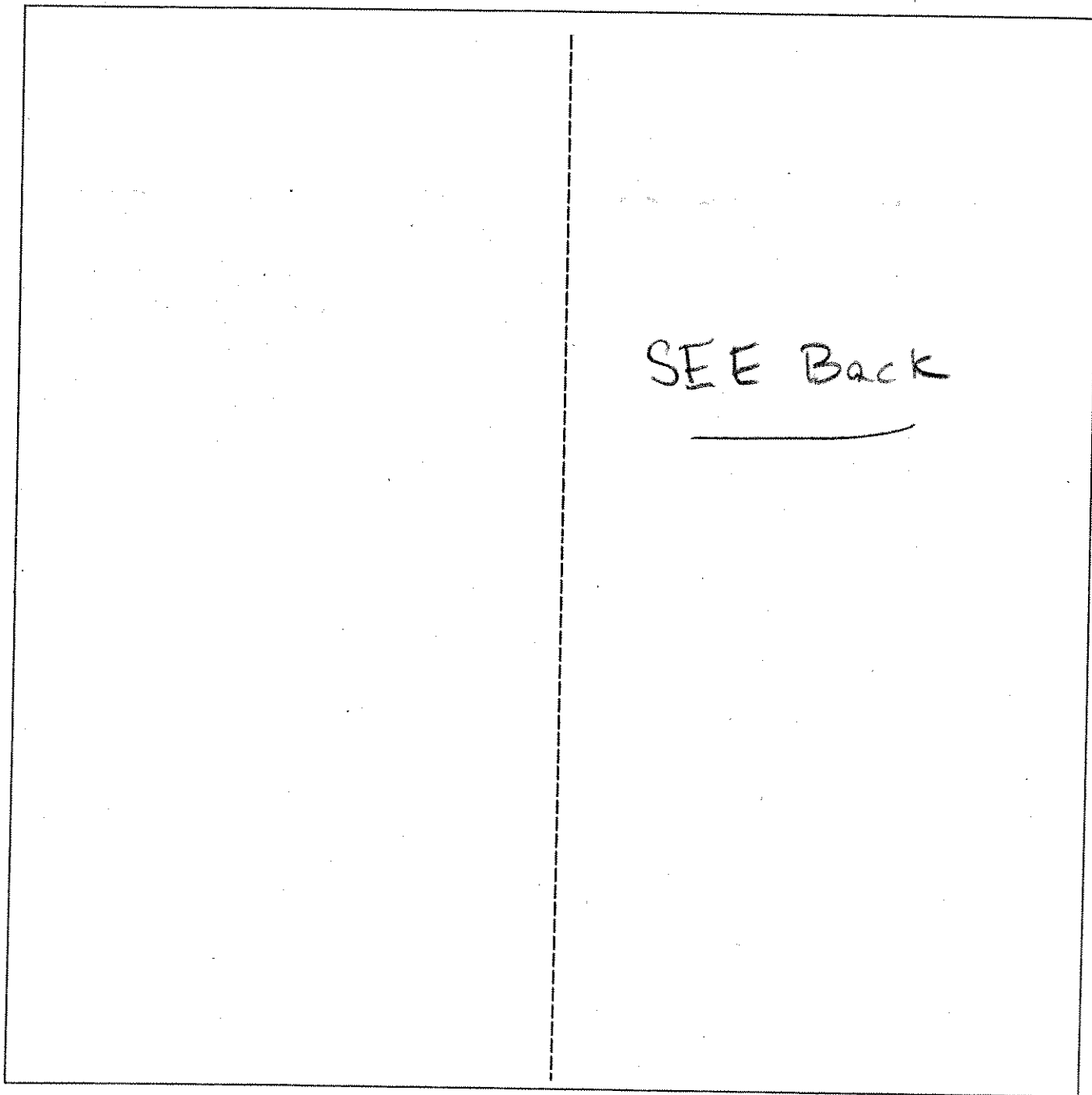
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

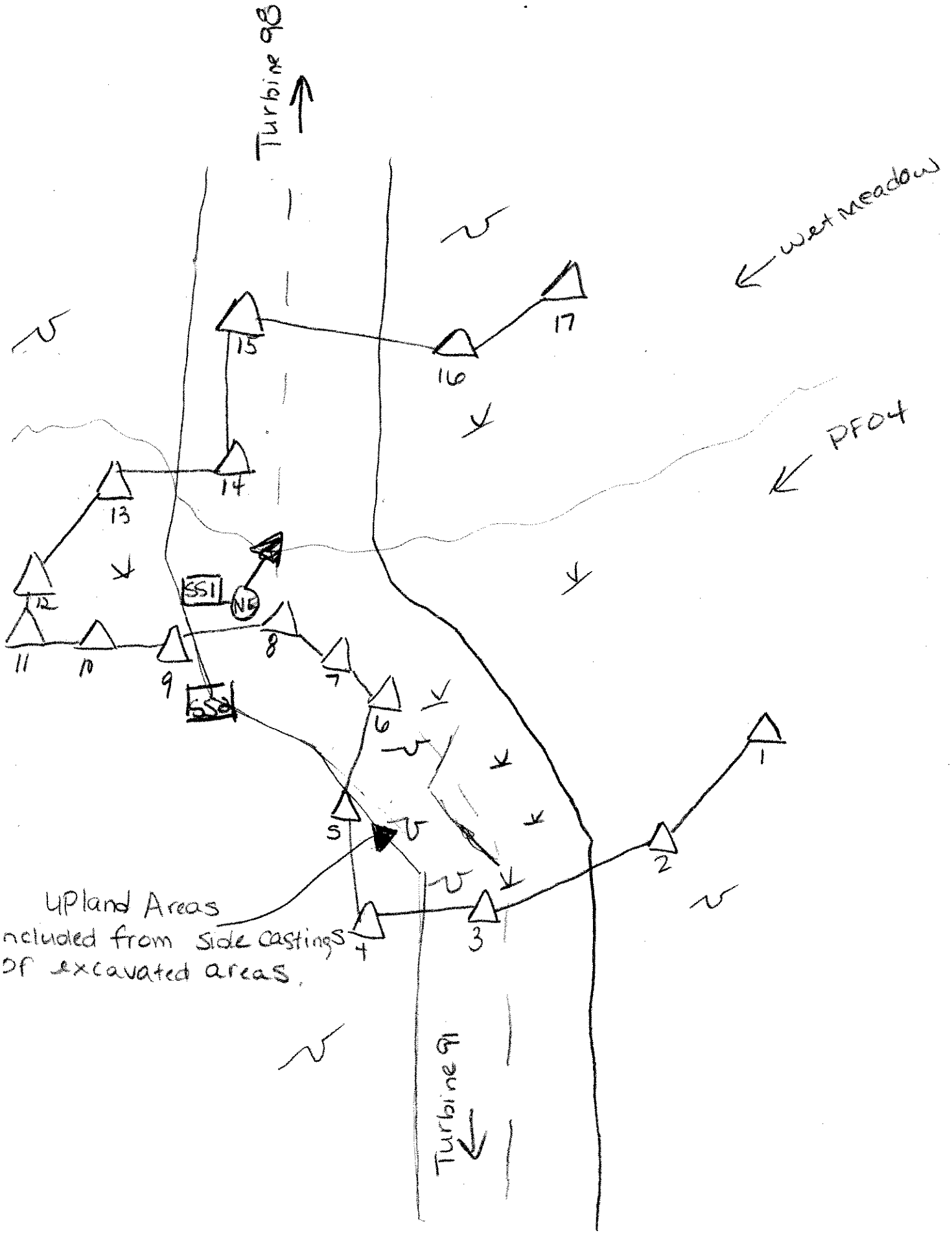


SKETCH FORM

Wetland ID/Route #: IC 738A	Date: 7-13-00	Time:
Initials of Delineators: BQ	Location: IC between turbine 91 and turbine 98 of DEC Wetland	
Roll #: Photo facing NE	Frames: NE	



<b>Legend</b>		
Photo Location/Direction	Wetland	
Sample Station	Upland	
Centerline	Stream	
Flag	Intermittent Stream	

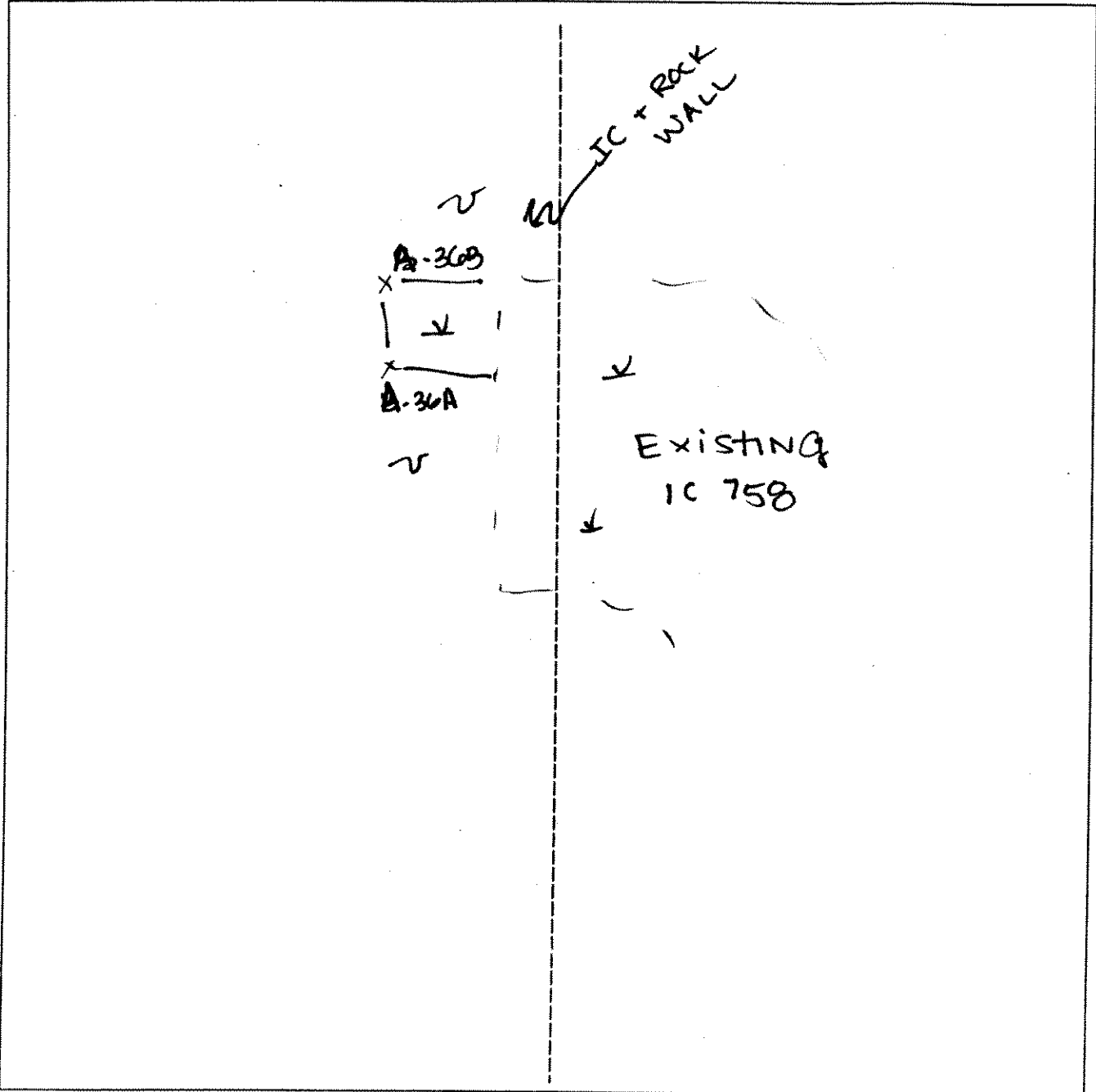


Upland Areas  
 included from side castings  
 of excavated areas.

# IC 758 LINE EXTENSION

## SKETCH FORM

Wetland ID/Route #: <b>IC758A</b>	Date: <b>10/17/06</b>	Time:
Initials of Delineators: <b>JB JV</b>	Location: <b>Rt. 189</b>	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BC</i>	Date: <i>7-19-06</i> County: <i>Clinch</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wet</i> Transect ID: Plot ID: <i>IC 739-A/B-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <input checked="" type="radio"/> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Agrostis alba</i>	H	FACW	9.		
2. <i>Carex vulpinoidea</i>	H	OBL	10.		
3. <i>Carex stricta</i>	H	OBL	11.		
4. <i>Sagittaria</i>	H	OBL	12.		
5. <i>Juncus effusus</i>	H	FACW	13.		
6. <i>T. Butlerianus</i>	H	FACW	14.		
7. <i>T. Moenchii</i>	H	FACW	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>86%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>surface</i> Depth to Free Standing Water in Pit (in.): <i>4"</i> Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-14-06  
 Community ID:  
 Plot ID:  
 IC 739-AB-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	AP	2.5Y 2.5/1	2.5YR 3/4	75%	sandy loam
15-18+	B <sub>w</sub>	2.5Y 6/5	10YR 5/6	710%	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
photo 1 → 2			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCE</i>	Date: <i>7-14-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 739 A/B 552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>100%</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Timothy</i>	<i>H</i>	<i>FACU-</i>	<i>9.</i>		
<i>2. big leaf burdock (A. minus)</i>	<i>H</i>	<i>FACU-</i>	<i>10.</i>		
<i>3. Thistle (C. discolor)</i>	<i>H</i>	<i>FACU</i>	<i>11.</i>		
<i>4. Lesser Stitchwort</i>	<i>H</i>	<i>FACU</i>	<i>12.</i>		
<i>5. Plantago major</i>	<i>H</i>	<i>FACU</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>none</i></p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	<p align="center"><i>none</i></p>
Remarks:	

Date: 7-14-06  
 Community ID: VP/ku  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	AP	10YR 3/5	low		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

- extremely stony & bouldery cant get below  
 - <sup>~12"</sup> NO redox or ox blizz in A

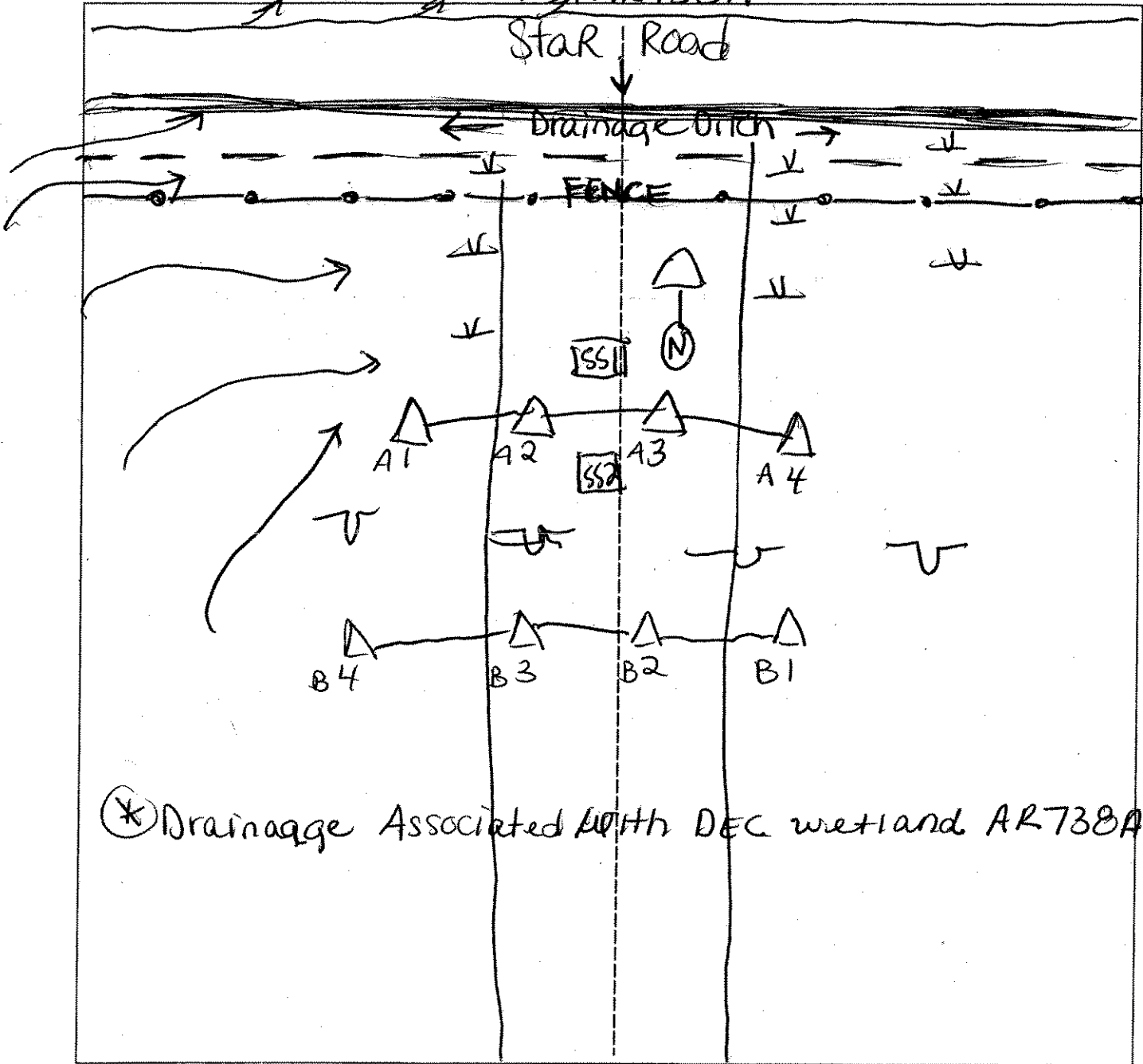
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: IC 739A/B	Date: 7.14.06	Time:
Initials of Delineators: BQ	Location: IC from Star Rd to turbine 91	
Roll #:	Frames: Photo facing North DEC wetland AR738A	



(\*) Drainage Associated with DEC wetland AR738A

Legend	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
∨	Wetland
~	Upland
—	Stream
- . .	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PASTURE Transect ID: Plot ID: 10739 A-551

**VEGETATION**

Plant Community Classification: PEM					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Juncus	H	FACW	9.		
2. Scirpus cyperinus	H	FACW+	10.		
3. Grass sp	H	-	11.		
4. Scirpus atrovirens	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/3/07  
 Community ID: PEM  
 Plot ID: 10739 A 881

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1			silty clay
6-12	B	10YR 5/2	10YR 5/9	common fine distinct	silty clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Ripural e12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: photo 7 => NW

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 10739A SSA

EXT

**VEGETATION**

Plant Community Classification: <u>Roadside</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Trifolium pratense</u>	H	FACU	9.		
2. <u>Taraxacum officinale</u>	H	FACU	10.		
3. <u>Sweet white clover</u>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/3/07  
 Community ID: UPL  
 Plot ID: 1C739 A SSA

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4			Sand loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: Refusal @ 12"  
 Soil is comprised of fill

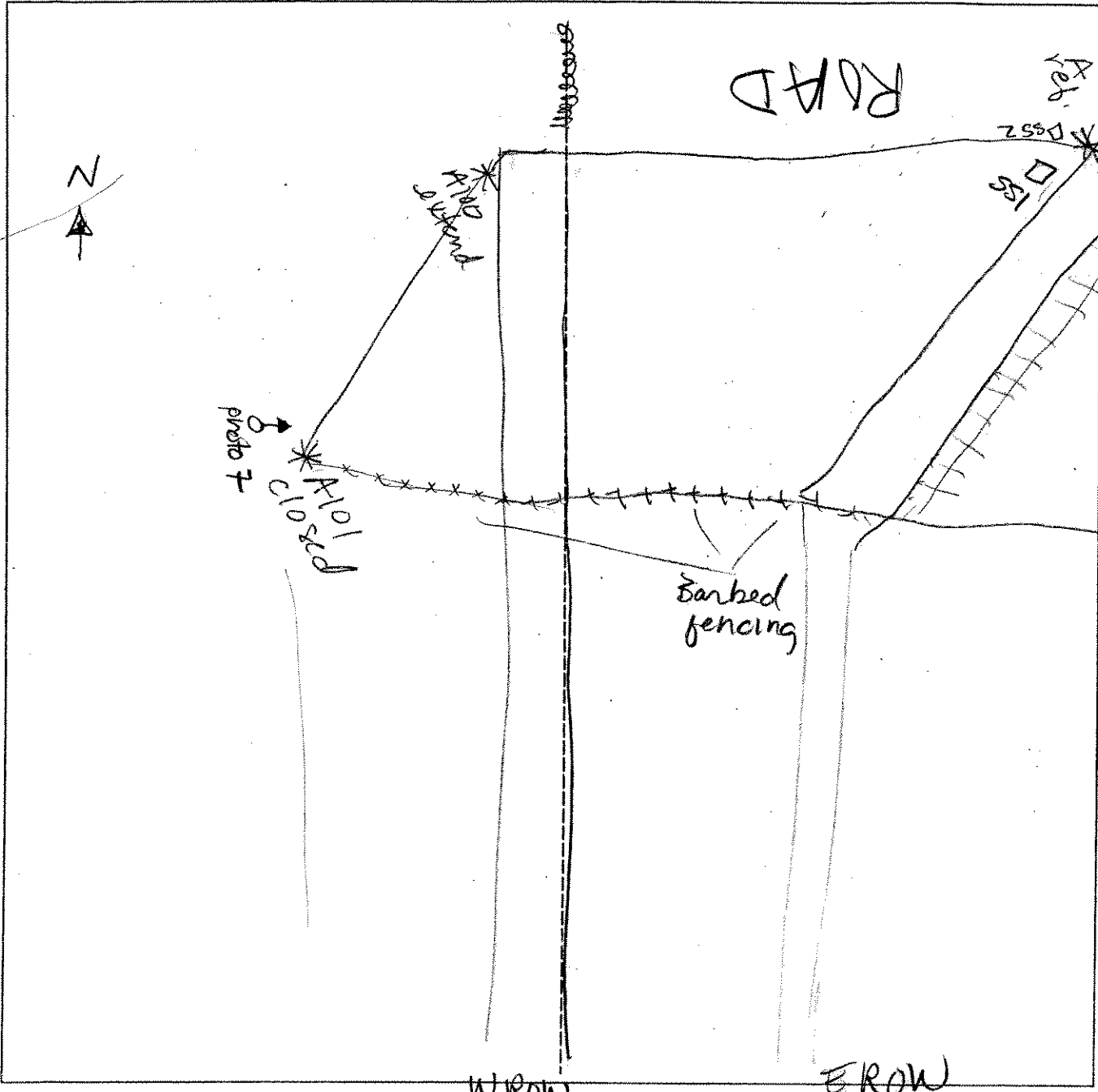
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <b>10739 A EXT</b>	Date: <b>3 May 07</b>	Time:
Initials of Delineators: <b>JV: AP</b>	Location: <b>10739 A</b>	
Roll #:	Frames: <b>photo 7 behind A101 facing East</b>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5.17</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>IC 818A 551</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u> Percent Canopy Cover: Tree: <u>45%</u> Shrub: <u>50%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW</u>	9. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>
2. <u>G. Birch</u>	<u>T/S</u>	<u>FAC</u>	10. <u>Speckled Alder</u>	<u>S</u>	<u>FACW*</u>
3. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Balsam Fir</u>	<u>T/S</u>	<u>FAC</u>	12.		
5. <u>J. diffusus</u>	<u>H</u>	<u>FACW*</u>	13.		
6. <u>ERU setum</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>R. Stem Gold rod</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>*Not Listed; presumed OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>2" in spots</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-17-06  
 Community ID: Wetland  
 Plot ID: IC 818A-SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-4/1	-	-	Silty clay loam
6-18	B	10YR-5/1	10YR-5/8	Common/Med/Distinct	Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJO VW</u>	Date: <u>5-17-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>IC818A-552</u>

**VEGETATION**

Plant Community Classification: <u>Open Woodland</u>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>m. Sweet</u>	<u>S</u>	<u>FACW</u>	9. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>
2. <u>s. bush</u>	<u>S</u>	<u>FACW</u>	10. <u>O. Aspen</u>	<u>T/S</u>	<u>FACU</u>
3. <u>R.S. Q. Rod</u>	<u>H</u>	<u>FAC</u>	11. <u>Mt. Alder</u>	<u>S</u>	<u>FAC</u>
4. <u>Strawberry</u>	<u>H</u>	<u>FACU</u>	12. <u>Trout Lily</u>	<u>H</u>	<u>FAC</u>
5. <u>Mt. Alder</u>	<u>H</u>	<u>FACU</u>	13. <u>Buttercup</u>	<u>H</u>	<u>FAC</u>
6. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	14. <u>Clubmoss</u>	<u>H</u>	<u>FACU</u>
7. <u>Tarrow</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Balsam Fir</u>	<u>T/S</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>53.1.</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 5.17.06  
 Community ID:  
 Plot ID: Upland  
 IC 018A - SSA

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR.4/2	-	-	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RSD JV</u>	Date: <u>5-17-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Cedar Swamp Wetland</u> Transect ID: Plot ID: <u>IC818A-SS3</u>

**VEGETATION**

Plant Community Classification: <u>Cedar Swamp</u>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>N. White Cedar</u>	<u>T/S</u>	<u>OBL</u>	9. <u>Clearweed</u>	<u>H</u>	<u>FACW*</u>
2. <u>E. Hemlock</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	12.		
5. <u>Speckled Alder</u>	<u>S</u>	<u>FACW*</u>	13.		
6. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>unk. Herb 1</u>	<u>H</u>	<u>—</u>	15.		
8. <del><u>Penny</u></del>			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks:  <u>* Not listed; presumed OBL.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>6" in spots</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	D	IDYR-211	—	—	ORGANICS w/ trace S, etc
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Refusal @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

23-7-0  
 010111W  
 787 431801

**DATA FORM  
 ROUTINE WETLAND DETERMINATION  
 (1987 ACOE Wetlands Delineation Manual)**

Project Site: <b>Marble River</b> Applicant/Owner: <b>Marble River LLC</b> Investigator: <b>RTD JV</b>	Date: <b>5-17-06</b> County: <b>Clinton</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>Wetland</b> Transect ID: Plot ID: <b>ICB10A-SS4</b>

**VEGETATION**

Plant Community Classification: <b>PSS</b>	116-8701				
Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>MT Alder</b>	<b>S</b>	<b>FAC</b>	9. <b>Carex sp</b>	<b>H</b>	<b>-</b>
2. <b>M. Sweet</b>	<b>S</b>	<b>FACW</b>	10. <b>J. effusis</b>	<b>H</b>	<b>FACW+</b>
3. <b>R. Maple</b>	<b>T/S</b>	<b>FAC</b>	11.		
4. <b>Strawberry Willow SP</b>	<b>T</b>	<b>-</b>	12.		
5. <b>Cinn. Fern</b>	<b>H</b>	<b>FACW</b>	13.		
6. <b>R-S e Red</b>	<b>H</b>	<b>FAC</b>	14.		
7. <b>MAN Flower</b>	<b>H</b>	<b>FAC-</b>	15.		
8. <b>Sensitive Fern</b>	<b>H</b>	<b>FACW</b>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>98.1.</b>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <b>9/20/06</b> Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <b>2" in spots</b> Depth to Free Standing Water in Pit (in.): <b>1"</b> Depth to Saturated Soil (in.): <b>Ø</b>	
Remarks:	

Date: 5-17-06  
 Community ID: Wetland  
 Plot ID: IC018A-884

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations			
		Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-3/1	-		silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:  Refusal @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-17-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC018A-SS5</u>

**VEGETATION**

Plant Community Classification: <u>Upland Forest</u>					
Percent Canopy Cover: Tree: <u>75%</u> , Shrub: <u>25%</u> , Herb: <u>40%</u> , Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	9. <u>Trout Lily</u>	<u>H</u>	<u>FAC</u>
2. <u>Grey Birch</u>	<u>T</u>	<u>FAC</u>	10. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>
3. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>W. Aspen</u>	<u>S</u>	<u>FACU</u>	12.		
5. <u>Mt. Alder</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Red Spruce</u>	<u>T</u>	<u>FACW</u>	14.		
7. <u>May Flower</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>WOOD Fern</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>70%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-17-06  
 Community ID: Wpland  
 Plot ID: IC810A-SS

**SOILS**

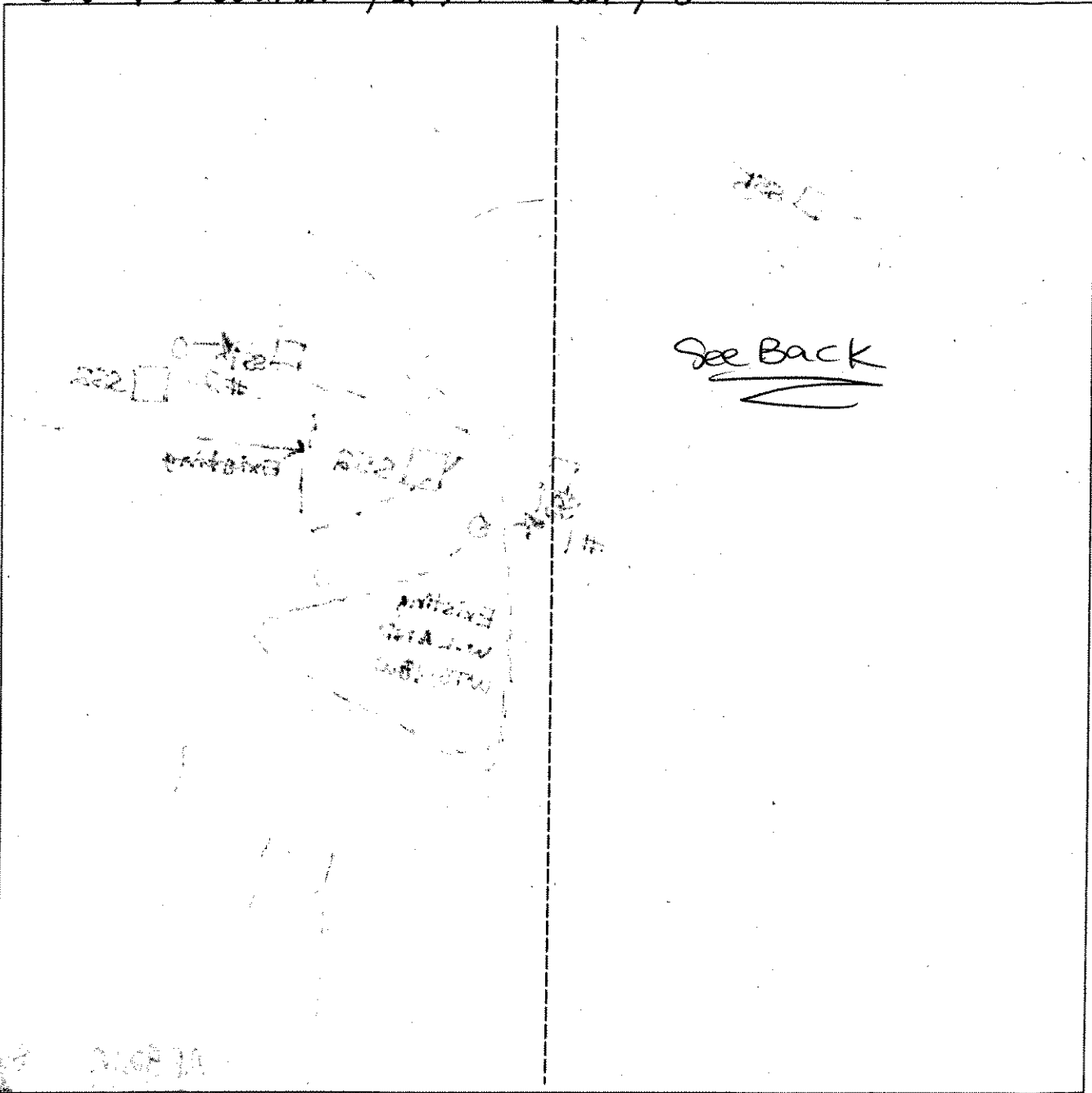
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR-3/2	-	-	Silty clay loam
3-18	B	10YR-4/3	-	-	silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		

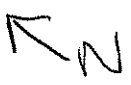
SKETCH FORM

Wetland ID/Route #: IC 818A, IC 819A/BAR 820A	Date: 5-17-06 + 5/18/06	Time:
Initials of Delineators: RJD JV	Location: IC to turbine 48W	
Roll #: 5-17	Frames: 5 => N at IC 818 SSI      6 => N at Cedar Swamp Boundary	
5-18	1 => SE at SSI, 2 => NW @ SSI, 3 => SSW @ SSI	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream





WTG6

20/01/2018 Cedar Swamp

AR039A

SS3

SSI #5

SS2

#6

SS5

IC818A

PSS

SS4

IC819A

SS2 WTG48W

#1

SS2

Existing

Existing W.LAND WTG48W

14

13

12

11

10

AR020A

Swail Cont.

Access/Rd

SS1

SS1

2

3

FENCE

4

#

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/4/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-818 B/C/D-SS1

1C818

**VEGETATION**

Plant Community Classification: PEM/PFOV4					
Percent Canopy Cover: Tree: 25 Shrub: 10 Herb: 100 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i> f. <i>fraseri</i>	T	FAC/FACW	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Salix bebbiana</i>	S	FACW+	11.		
4. <i>Spiraea tomentosa</i>	H	FACW	12.		
5. Goldenrods - <i>Euthamia</i>	H	FAC	13.		
6. <i>graminifolia</i>			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/6 > 50%					
Remarks: Representative Plot ; similar to IC-818A This wetland is connected to IC-818A via culvert					

DEC wetland

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC & TDPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: Representative Plot ; Soils similar to IC 818A	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/4/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? * <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-818 B/C/D-SS2  1C818

**VEGETATION**

Plant Community Classification: cow pasture					
Percent Canopy Cover:		Tree:	Shrub:	Herb: 100	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. UNK grass	H	-	9.		
2. Trifolium spp.		FACU	10.		
3. melilotus spp		FACU	11.		
4. cow vetch	↓	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC & TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): -  Depth to Free Standing Water in Pit (in.): -  Depth to Saturated Soil (in.): > 12"	
Remarks:	

Date: 8/4/06  
 Community ID:  
 Plot ID: IC-818 B/C/D-SS2  
 1C818

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Active Ag - Hay field ; low pastures near by

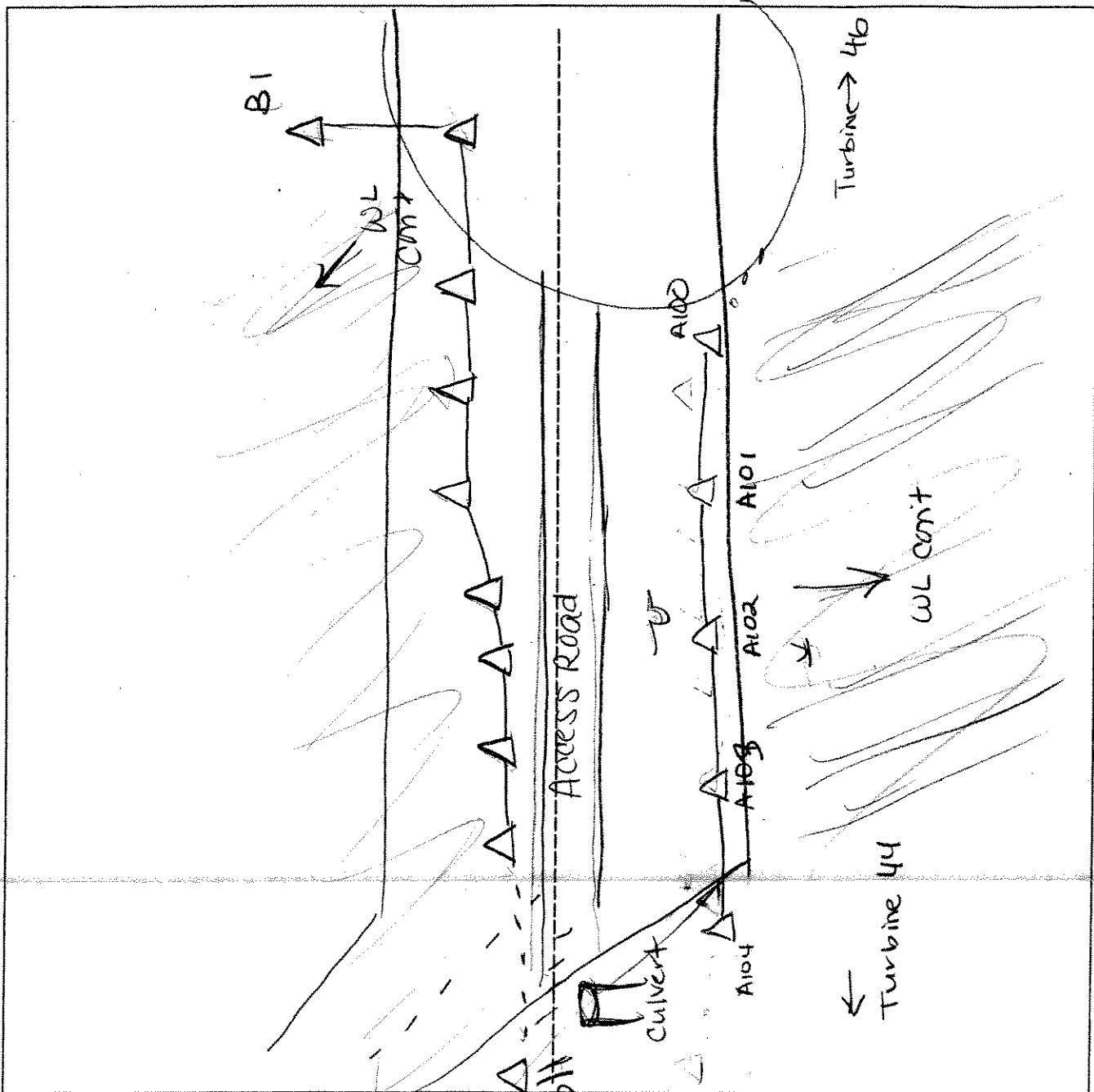
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks [ C/D wetland connects w/ B wetland near The Road that divides The 818 A + B wetlands ]  
 Photo 8040010 - IC-818 C/D wetland to S  
 " 8040011 - IC 818 C/D upland to N

SKETCH FORM

Wetland ID/Route #: IC 810A/B	Date: 8-4-06	Time:
Initials of Delineators: Sm JV	Location: IC 61/AR to turbine 44+46	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

← N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>IC819A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>PFD</u> Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>15%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>C. Birch</u>	<u>T/S</u>	<u>FAC</u>	9. <u>R.L. Grod</u>	<u>H</u>	<u>FAC</u>
2. <u>R. maple</u>	<u>T/S</u>	<u>FAC</u>	10. <u>may flower</u>	<u>H</u>	<u>FAC-</u>
3. <u>L.B. Shrub.</u>	<u>S</u>	<u>FACU-</u>	11. <u>Cinn. Fern</u>	<u>H</u>	<u>FACW</u>
4. <u>m. Sweet</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>J. eff.</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Sphag moss</u>	<u>H</u>	<u>OBL*</u>	14.		
7. <u>Club moss</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Carex sp</u> <u>xd</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>58%</u>					
Remarks: <u>* Not listed; presumed OBL.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date: 5-18-06  
 Community ID: Wetland  
 Plot ID: IC819A

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A <sub>1</sub>	7.5YR 3/4	-	-	Silt loam w/ organics
5-10	A <sub>2</sub>	10YR 2/1	-	-	Silt clay loam
10-14	B	10YR 5/3	-	-	Sandy clay loam
14-18	B	2.5Y - 7/2	50/50		clay
		2.5Y - 7/4	mix		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Remarks

photo #1 IC819-4 => SE of SSI



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>ICB19A-SS2</u>

**VEGETATION**

Plant Community Classification: <u>open woodland</u>					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>50%</u> Herb: <u>05%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>J. Birch</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Canada C. Red</u>	<u>H</u>	<u>FACU</u>
2. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	10. <u>Wood Fern</u>	<u>H</u>	<u>FAC</u>
3. <u>Black Fern</u>	<u>H</u>	<u>FACU</u>	11. <u>Clubmoss</u>	<u>H</u>	<u>FACU</u>
4. <u>Manflower</u>	<u>H</u>	<u>FAC-</u>	12. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>
5. <u>BB Blueberry</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>R. Maple</u>	<u>T/S/H</u>	<u>FAC</u>	14.		
7. <u>B. Fly</u>	<u>T</u>	<u>FAC</u>	15.		
8. <u>R. S. Wood</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>47%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5.18.06  
 Community ID: Upland  
 Plot ID: IC819A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/3			Silt

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
*Refusal @ 12"*

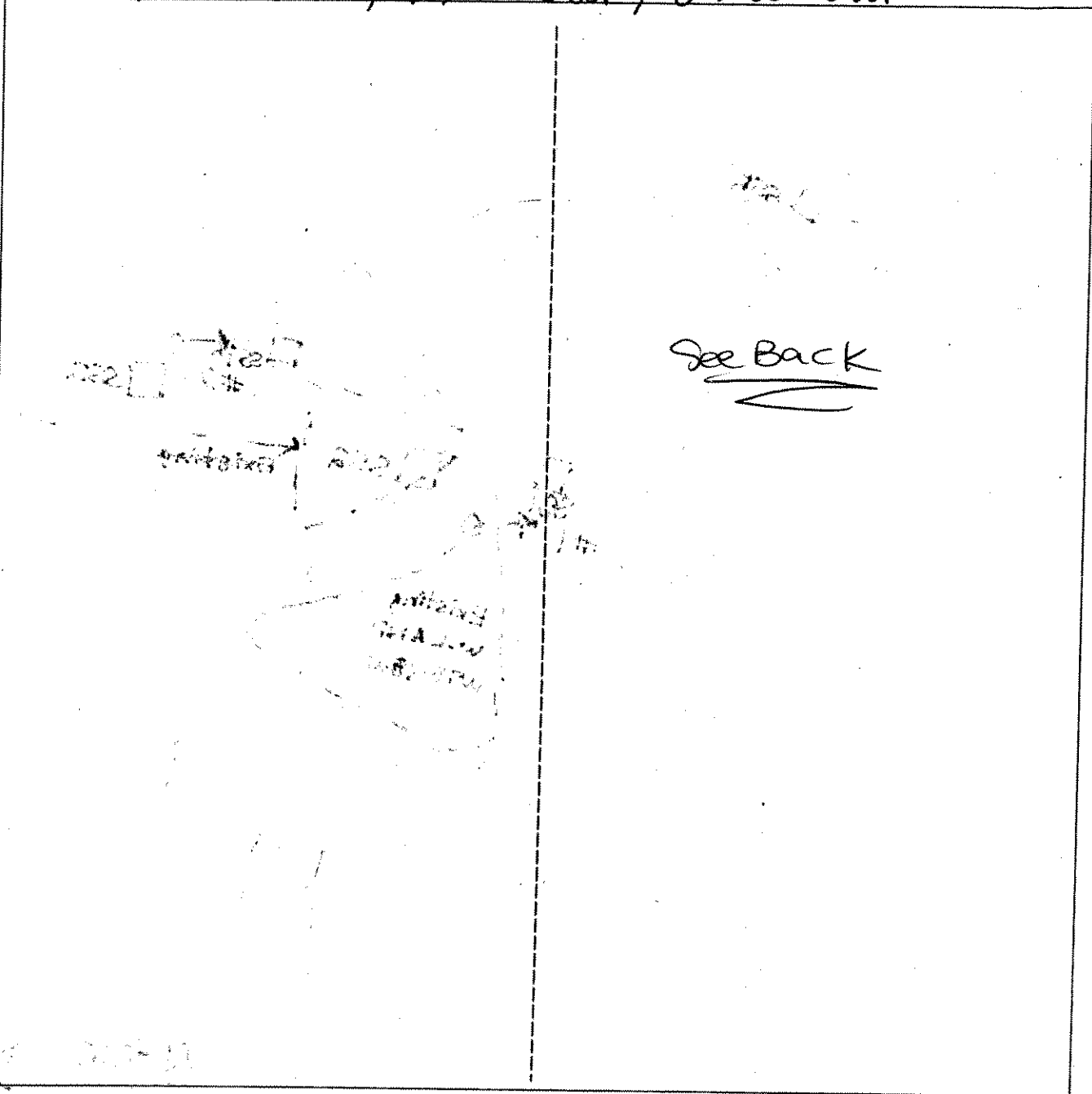
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/>	
Hydric Soils Present?	Yes	<input checked="" type="radio"/>	

Remarks

SKETCH FORM

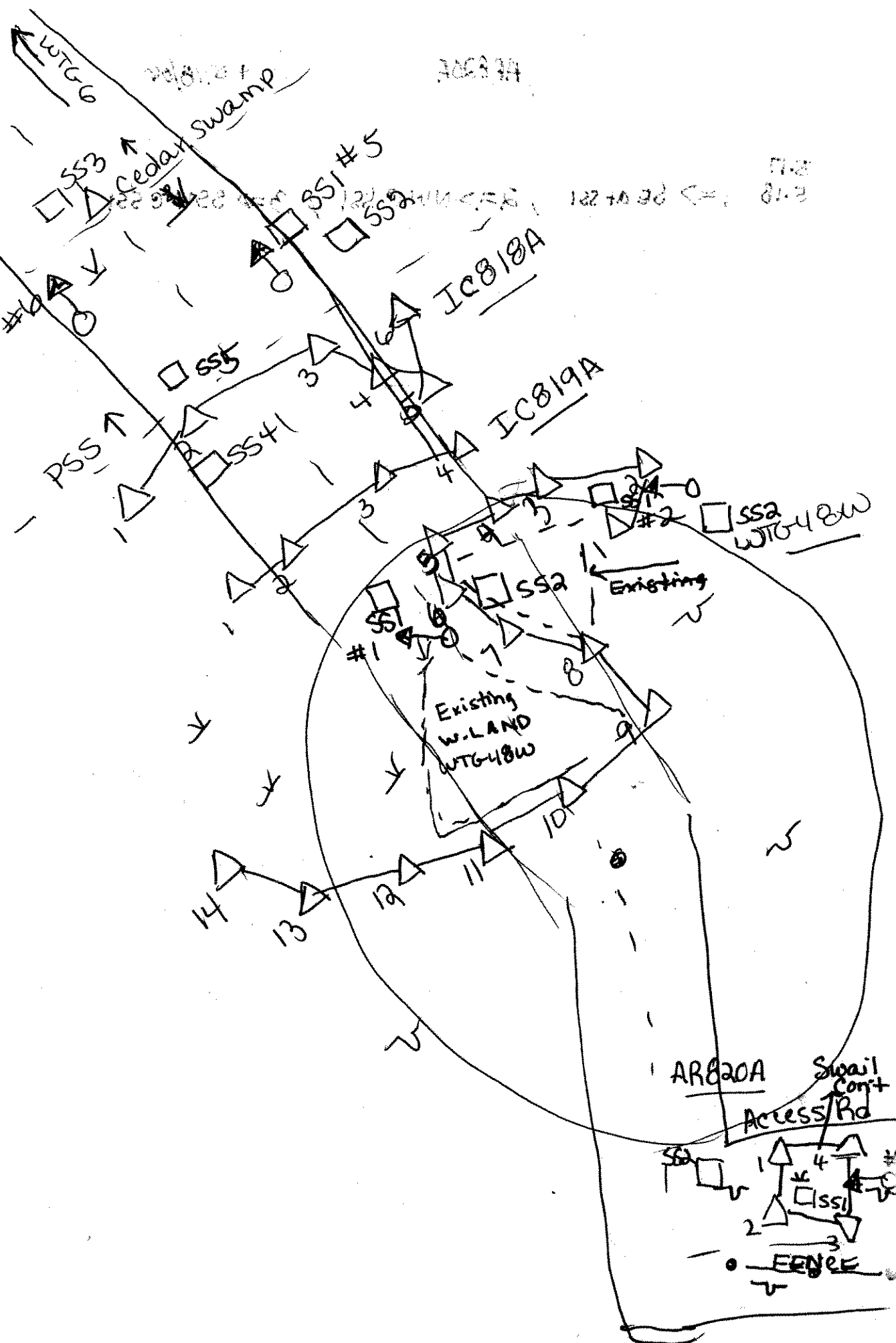
Wetland ID/Route #: IC 818A, IC 819A/BAR 820A	Date: 5-17-06 + 5/18/06	Time:
Initials of Delineators: RJD JV	Location: IC to turbine 48W	
Roll #: 5-17 5-18	Frames: 5 => N at IC 818 SSI      6 => N at Cedar Swamp Boundary 1 => SE at SSI, 2 => NW @ SSI, 3 => SSW @ SSI	



See Back

Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

N



00-81-2  
 kno/ku  
 122-A0588A

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <b>Marble River</b> Applicant/Owner: <b>Marble River LLC</b> Investigator: <b>RTO JV</b>	Date: <b>5-18-06</b> County: <b>Clinton</b> State: <b>NY</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>Wetland</b> Transect ID: Plot ID: <b>IC-820A-SS1</b>

**VEGETATION**

Plant Community Classification: **P5B1 Swall w/ scattered shrub**

Percent Canopy Coverage: **Tree: 10% Shrub: 80% Herb: 10% Vine: 0%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>J. effusus</b>	<b>H</b>	<b>FACW+</b>	9. <b><del>Water plant</del></b>		
2. <b>N.C. G Pad</b>	<b>H</b>	<b>FAC</b>	10. <b><del>Water plant</del></b>		
3. <b>Polygonum sp</b>	<b>H</b>	<b>-</b>	11.		
4. <b>B. Clup</b>	<b>H</b>	<b>FAC</b>	12.		
5. <b>M. Sweet</b>	<b>S</b>	<b>FACW</b>	13.		
6. <b>S. Bush</b>	<b>S</b>	<b>FACW</b>	14.		
7. <b>Grass sp</b>	<b>H</b>	<b>-</b>	15.		
8. <b>Carex sp</b>	<b>H</b>	<b>-</b>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **100%**

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <b>2"</b> Depth to Free Standing Water in Pit (in.): <b>0</b> Depth to Saturated Soil (in.): <b>0</b>	<b>Remarks:</b> <b>122 to 622 &lt; = 82</b>

Date: 5-18-06  
 Community ID: Wetland  
 Plot ID: AR820A-SSI

**SOILS**

Map Unit Name (Series and Phase): 81-2		Drainage Class: A			
Taxonomy (SubGroup):		Field Observations			
		Confirm Mapped Type? Yes No			
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-4/1			Silty Clay loam
8-14	B <sub>1</sub>	10YR-5/2-5/3	10YR 2/1	Few/Med/prominent	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Remarks		
#3 => SSW at SSI		

40-21-2  
6/10/11  
822-AD68AA

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <b>Marble River</b>	Date: <b>5-18-06</b>
Applicant/Owner: <b>Marble River LLC</b>	County: <b>Clinton</b>
Investigator: <b>RJD JV</b>	State: <b>NV</b>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <b>Npland</b> Transect ID: Plot ID: <b>14820A-SSA</b>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: **Early successional pasture**

Percent Canopy Cover: Tree: **0** Shrub: **25%** Herb: **100%** Vine: **0**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>Grass SP</b>	<b>H</b>	<b>-</b>	9.		
2. <b>B-clip</b>	<b>H</b>	<b>FAC</b>	10.		
3. <b>R.S.O. red</b>	<b>H</b>	<b>FAC</b>	11.		
4. <b>Dandelion</b>	<b>H</b>	<b>FACU</b>	12.		
5. <b>CW vetch</b>	<b>H</b>	<b>UPL</b>	13.		
6. <b>White clover</b>	<b>H</b>	<b>FACU</b>	14.		
7. <b>M. sweet</b>	<b>S</b>	<b>FACW</b>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <b>N/A</b></p> <p>Depth to Free Standing Water in Pit (in.): <b>N/A</b></p> <p>Depth to Saturated Soil (in.): <b>N/A</b></p>	
Remarks:	

Date: 5-18-06  
 Community ID: upland  
 Plot ID: AR820A-SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations:			
		Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR-3/2			Silt loam
9-100	B	7.5YR-4/3			Silt clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

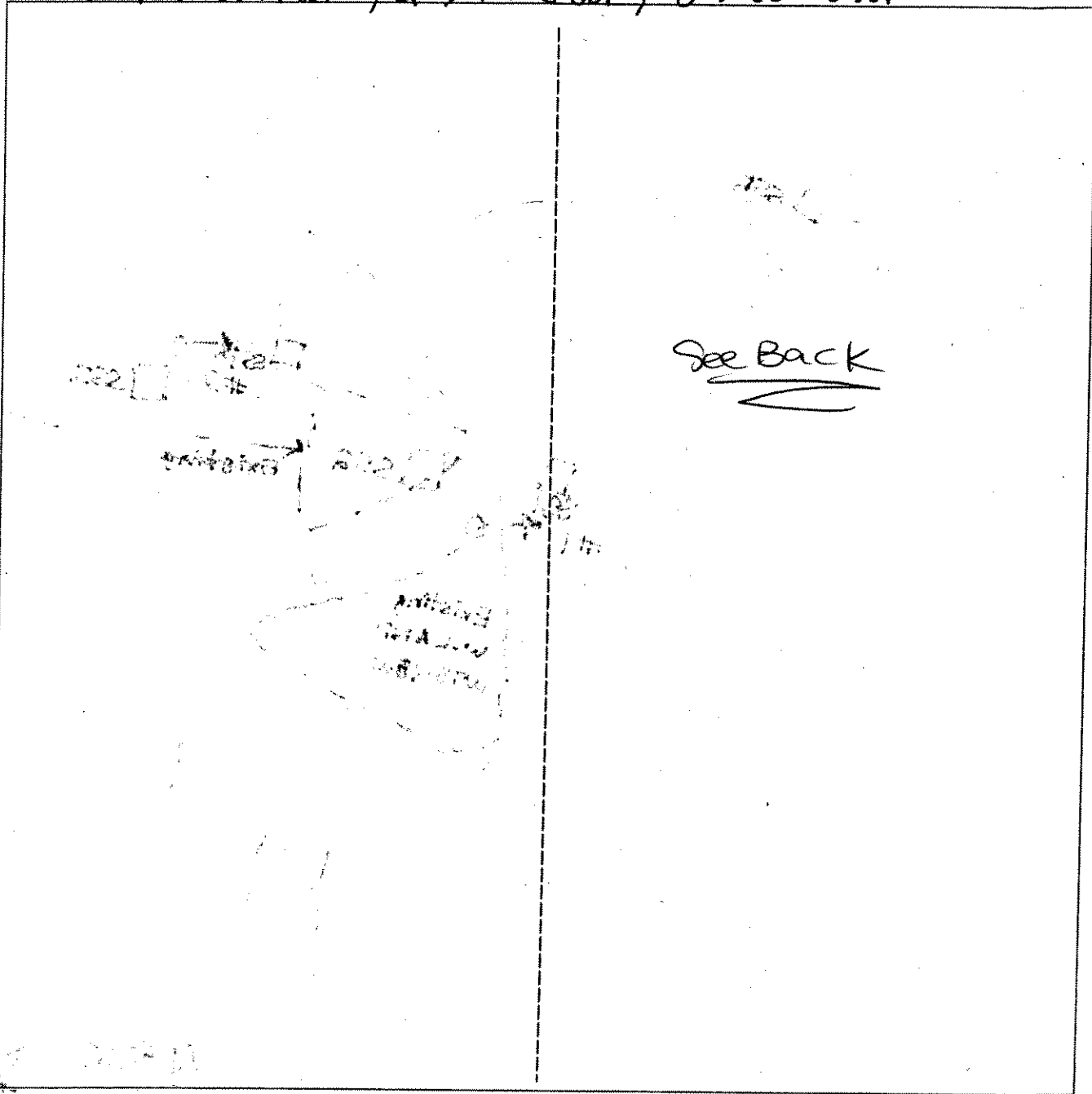
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks:			

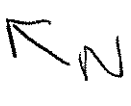


SKETCH FORM

Wetland ID/Route #: IC 818A, IC 819A/B/C + 820A	Date: 5-17-06 + 5/18/06	Time:
Initials of Delineators: RJD JV	Location: IC to turbine 48W	
Roll #: 5-17	Frames: 5 => N at IC 818 SSI	
5-18	1 => SE at SSI, 2 => NW @ SSI, 3 => SSW @ SSI	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



UTG6

Cedar Swamp

448304

SS3

SSI #5

#6

SS5

SS2

IC818A

PSS

SS4

IC819A

SS1

SS2 WTG48W

Existing

Existing W-LAND WTG48W

14

13

12

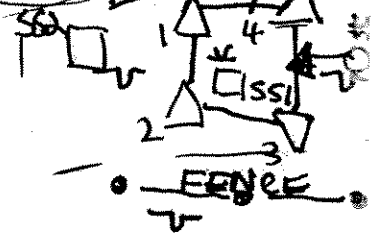
11

10

AR820A

Swail Cont.

Access Rd



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>SDI JV</u>	Date: <u>5-20-00</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes      No Is the site significantly disturbed (Atypical Situation)?      Yes      No Is the area a potential Problem Area?      Yes      No (If needed, explain on reverse.)	Community ID: <u>Hand</u> Transect ID: Plot ID: <u>ICE827A-SS</u>

**VEGETATION**

Plant Community Classification: <u>PFO4</u> Percent Canopy Cover:      Tree: <u>40%</u> Shrub: <u>70%</u> Herb: <u>70%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Fir</u>	T	FAC	9. <u>...</u>	H	FAC
2. <u>B. Spruce</u>	T	FACU-	10.		
3. <u>R. Maple</u>	T/S	FAC	11.		
4. <u>UNK Spruce</u>	S	---	12.		
5. <u>...</u>	H	OBL	13.		
6. <u>...</u>	H	---	14.		
7. <u>...</u>	H	---	15.		
8. <u>...</u>	H	---	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>* Not listed, presumed OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>up to 12"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5.10.20  
 Community ID: Wetland  
 Plot ID:

IC827A-SS

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10 10-90	D A	7.5YR 4/3 10YR 2/1	— —	— —	peat Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal 0.8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks EC Wetland photo # 6 => E			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-20-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC827A-SSA</u>

**VEGETATION**

Plant Community Classification: <u>Upland Forest</u>					
Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>40%</u> Herb: <u>20%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>R. Maple</u>	<u>T/H</u>	<u>FAC</u>	10.		
3. <u>D. Birch</u>	<u>F</u>	<u>FACU</u>	11.		
4. <u>Vine Shrub</u>	<u>F</u>	<u>-</u>	12.		
5. <u>Maitlower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>LB Blueberry</u>	<u>H</u>	<u>FACU-</u>	14.		
7. <u>Woodfern</u>	<u>H</u>	<u>FACF</u>	15.		
8. <u>LIV sp</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	Remarks:

Date: 5-20-06  
 Community ID: upland  
 Plot ID: ICB27A-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_

Drainage Class: \_\_\_\_\_  
 Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR-2/1			organics
1-12	B	7.5YR-9/3			lean

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Remarks		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RTO JV</u>	Date: <u>5-30-06</u> County: <u>Clinton</u> State: <u>NH</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>Jc8a7b-551</u>

**VEGETATION**

Plant Community Classification: PFO4  
 Percent Canopy Cover: Tree: 60% Shrub: 65% Herb: 40% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Bir Spruce</u>	<u>T</u>	<u>FACU</u>
2. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>O. Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Hepaticum sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Moss</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Shrub Moss</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>Moss sp.</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 70%

Remarks:  
\* Not listed; presumed OBL

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input checked="" type="checkbox"/> Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns in Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>up to 12"</u>          Depth to Free Standing Water in Pit (in.): <u>0</u>          Depth to Saturated Soil (in.): <u>0</u></p>	
<p>Remarks:</p>	

Date: 5.20.06  
 Community ID: Wetland  
 Plot ID: JCB27B-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 3/3			Organics
2-6	A <sub>1</sub>	10YR 5/2			Sandy clay
6-10	A <sub>2</sub>	10YR 4/1	mix		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <div style="text-align: center; font-size: 1.2em;">Refrusal @ 10"</div>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks: <div style="text-align: center; font-size: 1.2em;">Photo 7 =&gt; N/E</div> <div style="text-align: center; font-size: 1.2em;">DEC wetland</div>			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>PTD JV</u>	Date: <u>5-20-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC827B-552</u>

**VEGETATION**

Plant Community Classification: Comptrolis / Deciduous

Percent Canopy Cover: Tree: 5% Shrub: 15% Herb: 70% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Asplenium</u>	<u>T</u>	<u>FAC</u>	9. <u>pteris</u>	<u>F</u>	<u>FAC</u>
2. <u>B. FIC</u>	<u>T</u>	<u>FAC</u>	10. <u>spatium</u>	<u>F</u>	<u>FACU</u>
3. <u>B. FIC</u>	<u>T</u>	<u>FACU</u>	11. <u>plantain</u>	<u>F</u>	
4. <u>B. FIC</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>B. BIRCH</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>MOSS</u>	<u>F</u>	<u>FAC</u>	14.		
7. <u>MOSS</u>	<u>F</u>	<u>FACU</u>	15.		
8. <u>Blueberry</u>	<u>F</u>	<u>FACU</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p> <p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Remarks:</p>	

Date: 5-20-06  
 Community ID: upland  
 Plot ID: JCB27B-552

**SOILS**

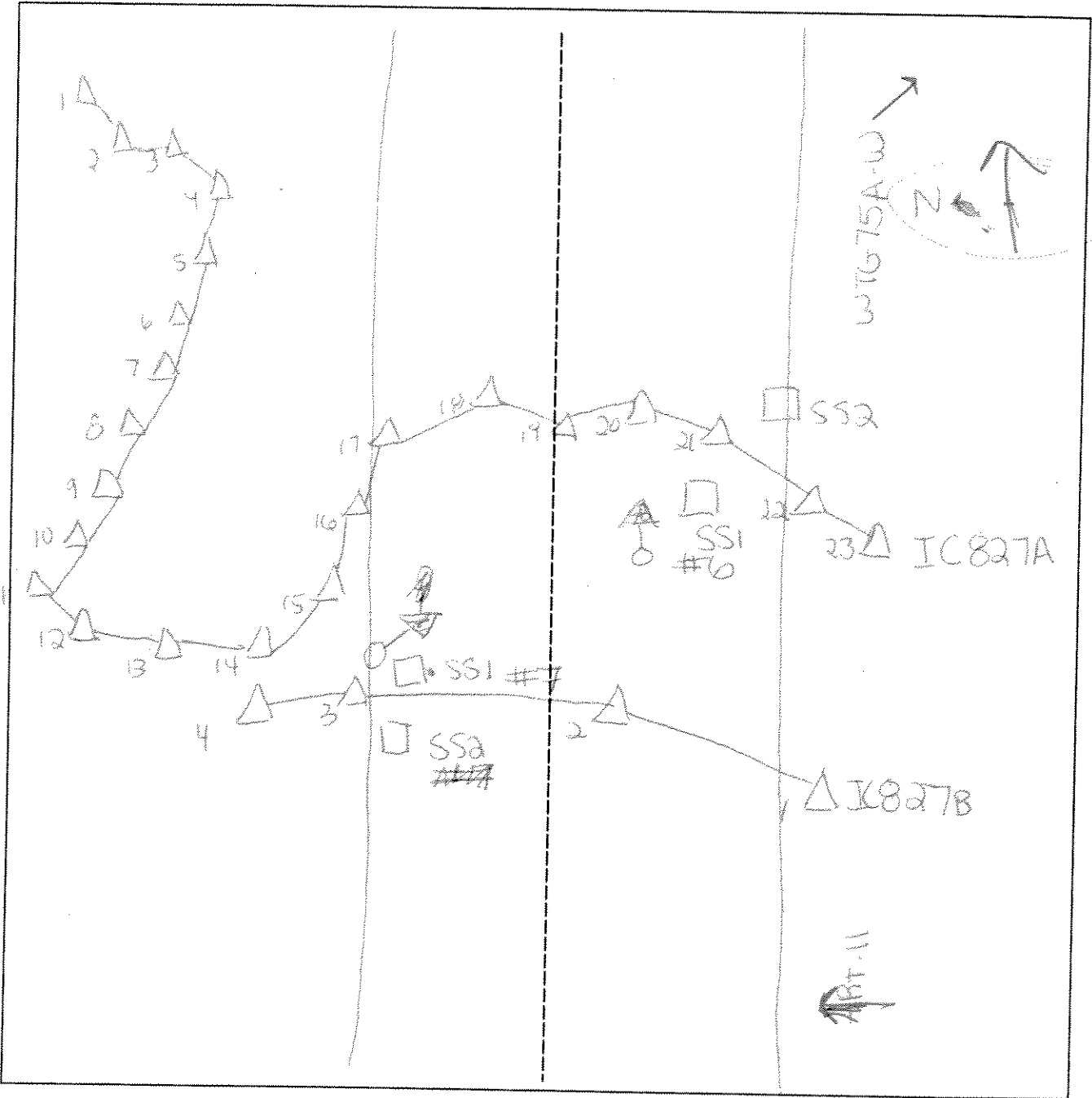
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	5YR-2.5/2			
3-10	A	10YR-7/1			irregular silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC827A/B	<b>Date:</b> 5 20 00	<b>Time:</b>
<b>Initials of Delineators:</b> RSD JV	<b>Location:</b> Interconnect between WTG75A-W and Rt-11	
<b>Roll #:</b> 6-7 C P SSI	<b>Frames:</b> 7->NE P SSI	

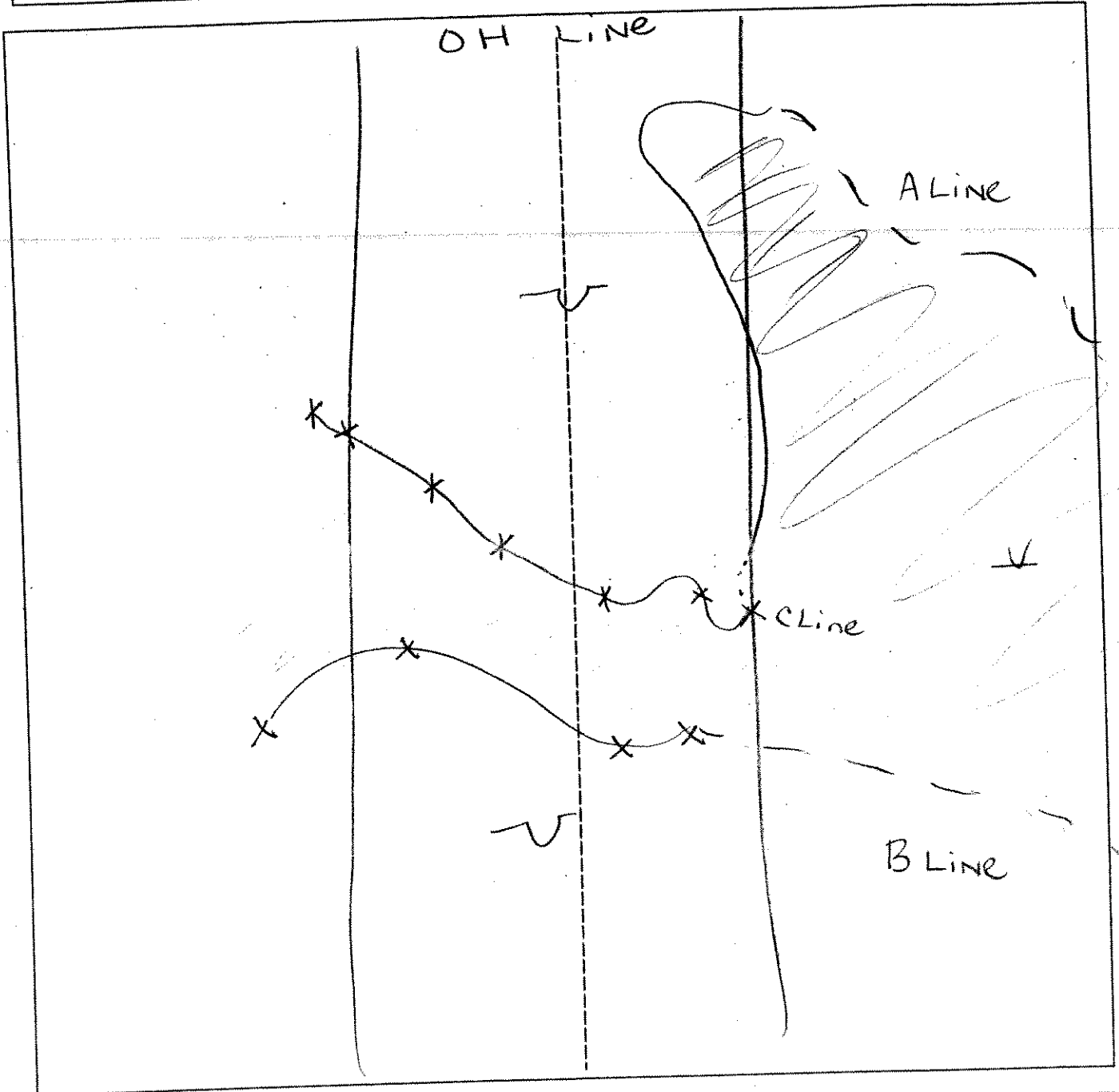


Legend	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▽	Flag
∇	Wetland
~	Upland
—	Stream
- . .	Intermittent Stream

Line extension

SKETCH FORM

Wetland ID/Route #: IC827A/B/C	Date: 8-23-00	Time:
Initials of Delineators: PF, AL	Location: OH North from Rt-11	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: May 6, 07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO/PEM Transect ID: Plot ID: K827ABC SSI

**VEGETATION**

Plant Community Classification: Red maple mesic  
Percent Canopy Cover: Tree: 00 Shrub: <5 Herb: 60 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acon rubrum	T	FAC	9.		
2. A. subrum	S	FAC	10.		
3. Cinnamon Fern	H		11.		
4. A. sp. moss 50%	H	OBL	12.		
5. Sphagnum AP	H		13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100% /

Remarks: Betula populifolia observed along WL edges

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): ~1" Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): 0"	
Remarks: Adjacent uplands to E + W slope into WL and discharge runoff + groundwater.	

Date: 6 May 07  
 Community ID: 1C827 ABC 551  
 Plot ID: 3100

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/3			organics
2-10	A	10YR 2/2	10YR 3/4	few, faint	silt loam
10-14	B	2.5Y 4/3	7.5YR 4/6	few, faint	sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: B horizon very sandy w/ organic streaks : few mottles

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks DEC wetland  
 photo 3 = N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/6/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 16827 ABC SSA

EXT

**VEGETATION**

Plant Community Classification: <i>Deciduous/Coniferous mix</i>					
Percent Canopy Cover: Tree: 75 Shrub: 40 Herb: 85 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus grandidentata</i>	T	FACU	9.		
2.			10.		
3. <i>Abies balsamea</i>	S	FAC	11.		
4. <i>Fagus grandifolia</i>	S	FACU	12.		
5. <i>Viburnum lentago</i>	S	FAC	13.		
6. <i>Erythronium americanum</i>	H	FAC	14.		
7. <i>Mitchella repens</i>	H	FACU	15.		
8. <i>Solidago sp</i>	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Cannot id due to time of year.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/6/07  
 Community ID:  
 Plot ID: IC027ABC SSA

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes  No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			organic
3-6	A	10YR 3/1			silt loam
6-10	B	10YR 3/2			silt loam
10-12	C	10YR 3/4			loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: no mottling observed

**WETLAND DETERMINATION**

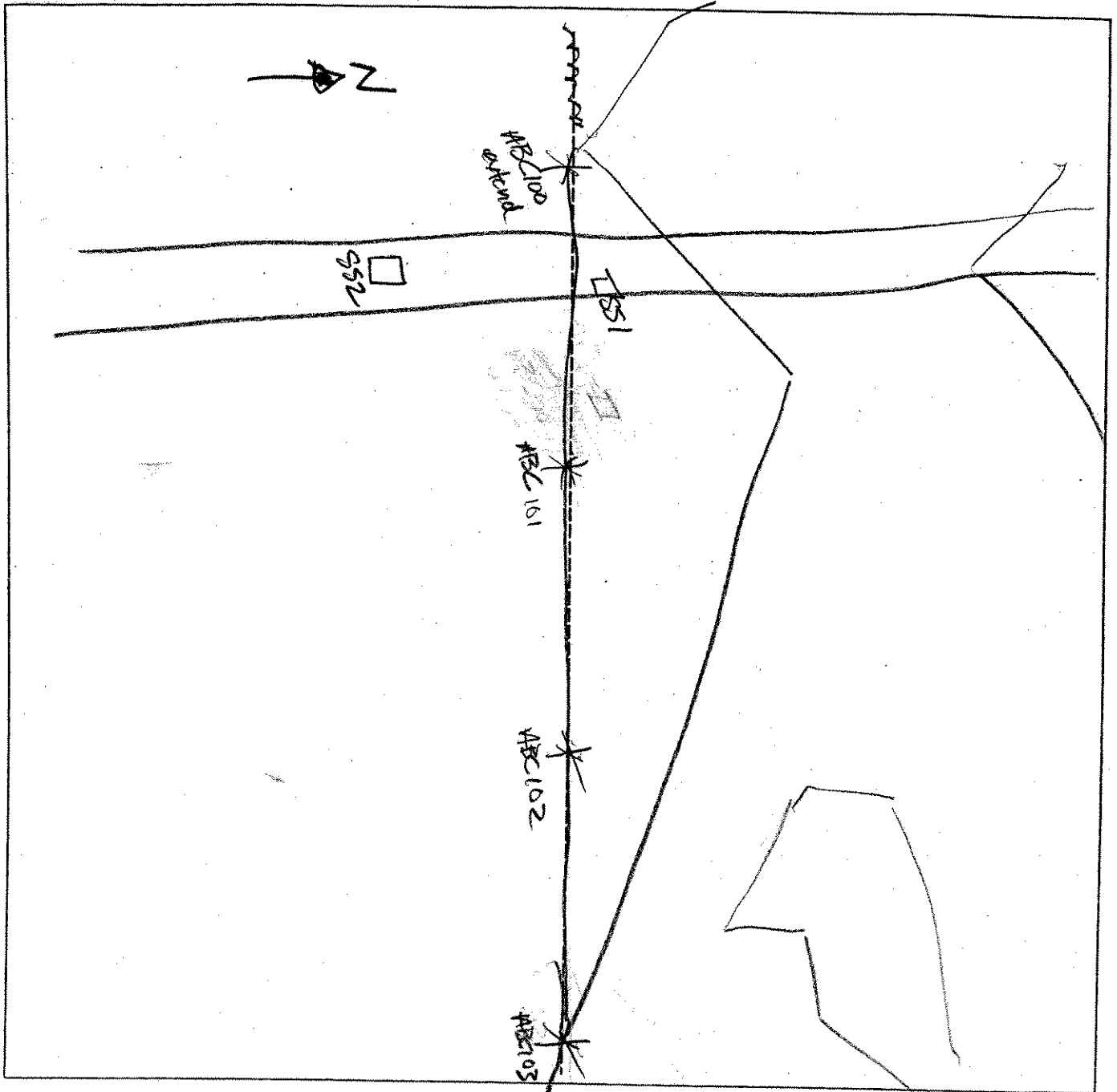
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks



SKETCH FORM

Wetland ID/Route #: 10027 ABC EXT	Date: 5/6/07	Time:
Initials of Delineators: JV AP	Location: OH E of Rt. 11	
Roll #: Frames: #3 = N		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Wetland

D.G IC 819A-13

Project Site: <u>Mantle River</u> Applicant/Owner: <u>Mantle River LLC</u> Investigator: <u>BZ</u>	Date: <u>5/20/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PFD</u> Transect ID: Plot ID: <u>819A-551</u>

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 38.0 Shrub: 20.5 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	Tree	FAC	9.		
2. Balsam Fir	Tree	FAC	10.		
3. Black Cherry	Tree	FACU	11.		
4. Gray Birch	Tree	FAC	12.		
5. Dogwood	Shrub	FACU	13.		
6. May Flowers	Herb	FAC-	14.		
7. Sensitive Fern	Herb	FACW	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/7

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>Wetland</u> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>none</u> Depth to Free Standing Water in Pit (in.): <u>surface</u> Depth to Saturated Soil (in.): <u>surface</u>	
Remarks: <u>Pockets of standing H<sub>2</sub>O adjacent plot.</u>	

wetland

Date: 5/20/06  
Community ID: FFB  
Plot ID:

IC 019-A 881

**SOILS**

Map Unit Name  
(Series and Phase): N/A

Drainage Class: PD

Taxonomy (SubGroup): N/B

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR2/1	none	none	FSL
6-16+	Bw1	10YR2/1	10YR6/B	Few/med/ D/A	FSL

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
Wetlands Hydrology Present?  
Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland?  Yes No

Remarks

rain event > 3 inch prior 5/20/06 wetland ID and Data Collection,  
Rain event may exaggerate hydrologic indicators

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

*upland*  
V.G IC 919A-13

Project Site: <i>Mantle River</i> Applicant/Owner: <i>Mantle River LLC</i> Investigator: <i>GR</i>	Date: <i>5/20/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No</span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No</span> (If needed, explain on reverse.)	Community ID: <i>PE0</i> Transect ID: Plot ID: <i>5C919-A-552</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>63.0</i> Shrub: <i>10.5</i> Herb: <i>38.0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BIL Cherry</i>	<i>Tree</i>	<i>FACV</i>	9.		
2. <i>Baldwin Fir</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Tree Club Moss</i>	<i>Herb</i>	<i>FACV</i>	12.		
5. <i>mayflower</i>	<i>Herb</i>	<i>FAC-</i>	13.		
6. <i>Broadleaf Fern</i>	<i>Herb</i>	<i>FACV</i>	14.		
7. <i>Horned Lizard</i>	<i>Shrub</i>	<i>FACV-</i>	15.		
8. <i>Baldwin Fir</i>	<i>Shrub</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/8</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>N/A</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>W/W</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 14"</i> Depth to Saturated Soil (in.): <i>&gt; 14"</i>	
Remarks:	

Wetland

Date: 5/20/06  
Community ID: FFO  
Plot ID:

D.G. IC919A3

**SOILS**

Map Unit Name (Series and Phase): <i>n/p</i>	Drainage Class: <i>mwd</i>
Taxonomy (SubGroup): <i>n/p</i>	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	<i>Bp</i>	<i>10YR 2/1</i>	<i>none</i>	<i>none</i>	<i>Fgl</i>
6-14	<i>Bw</i>	<i>10YR 3/6</i>	<i>none</i>	<i>none</i>	<i>gl</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

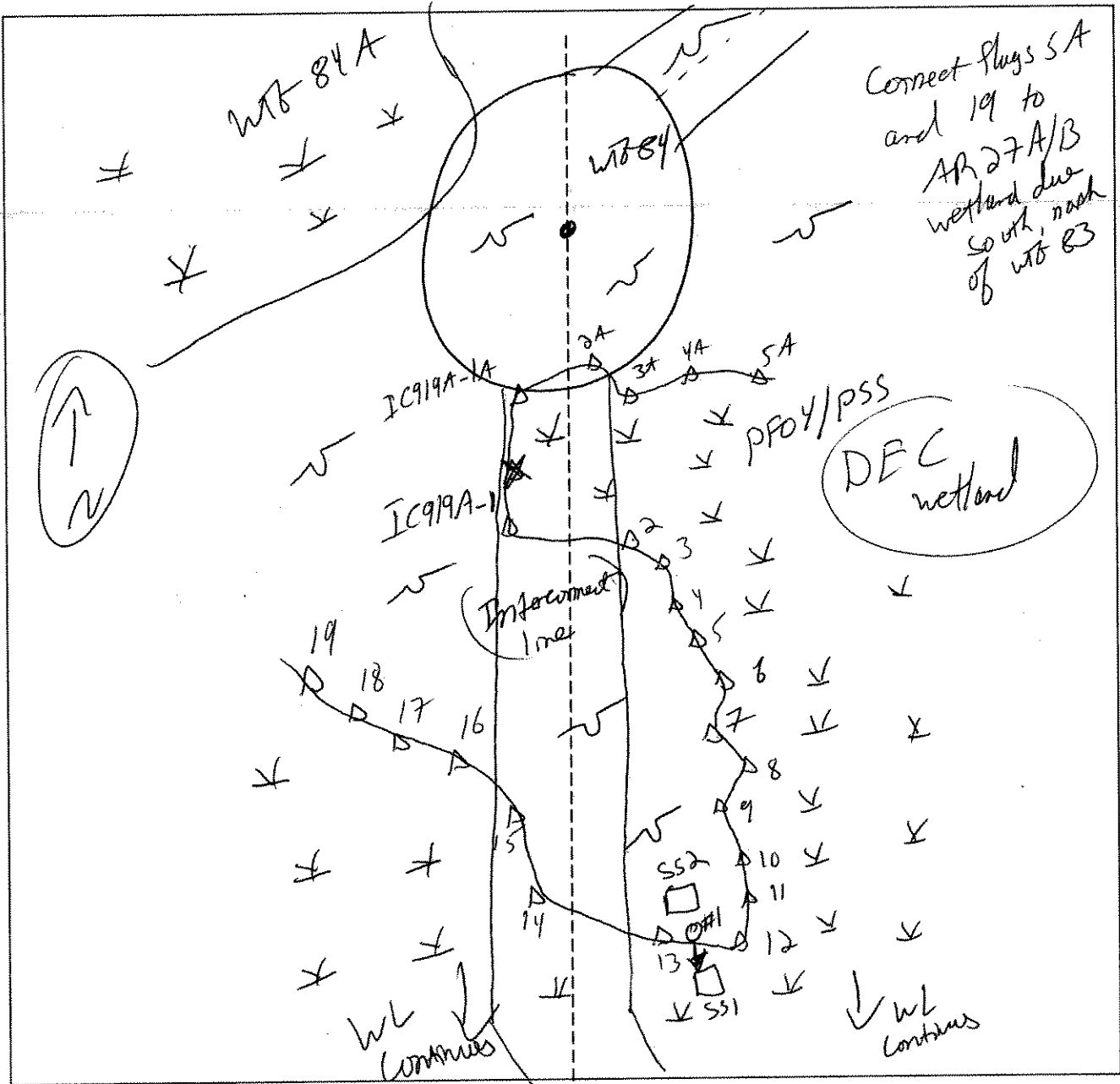
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

*Rain event > 1 inch prior 5/20/06 wetland ID and data collection.*

SKETCH FORM

Wetland ID/Route #: IC919A	Date: 5/20/06	Time:
Initials of Delineators: BHB BDB	Location: WB 84	
Roll #: BHB	Frames: 1-South	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>PFD 11/4</u> Transect ID: Plot ID: <u>10919 A SSI</u>							

**VEGETATION**

Plant Community Classification: <u>Cedar swamp</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>60</u> Herb: <u>99</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Thuja occidentalis</u>	T	FACW	9. <u>Sphagnum moss &gt; 50%</u>	H	OBL
2. <u>Thuja balsamifera</u>	T	FAC	10.		
3. <u>Botula alleghaniensis</u>	T	FAC	11.		
4. <u>Alnus rugosa</u>	T	FACW	12.		
5. <u>A. rugosa</u>	S	FACW	13.		
6. <u>A. balsamifera</u>	S	FAC	14.		
7. <u>Coetia palustris</u>	H	OBL	15.		
8. <u>Utricularia densifolia</u>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p><b>Wetland Hydrology Indicators:</b></p> <p><b>Primary Indicators:</b></p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns in Wetlands</p> <p><b>Secondary Indicators (2 or more required):</b></p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p><b>Field Observations:</b></p> <p>Depth of Surface Water (in.): <u>NA</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>0"</u></p> <p>Depth to Saturated Soil (in.): <u>9"</u></p>	
<p>Remarks:</p>	

Date: 5/7/07  
 Community ID: PFO1/4  
 Plot ID: 1C919 A SS1A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			silt
2-16	A	10YR 2/1			silt loam
16-18	B	2.5Y 5/3			

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: water @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No

Is this Sample Station Point Within a Wetland?  Yes  No

Remarks DEC WL  
 photo 4 = N



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 10919 A 552

EXT

**VEGETATION**

Plant Community Classification: Mixed Deciduous					
Percent Canopy Cover: Tree: 90 Shrub: 10 Herb: 20 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer Rubrum	T	FAC	9.		
2. Abies balsamea	T	FAC	10.		
3. Prunus cerasifera	T	FACU	11.		
4. Quercus grandifolia	T	FACU	12.		
5. Abies balsamea	S	FAC	13.		
6. Viburnum lentiginos	S	FAC	14.		
7. Erythronium americanum	H	FAC	15.		
8. Lycopodium obscurum	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: UPL area slopes to NW into adjacent DEC WL	

Date: 5/7/07  
 Community ID: UPL  
 Plot ID: 10919 A SSA

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	B	10YR 2/2			
4-12	A	10YR 2/1			silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: organic streaking in A, soil dry only slightly moist in A

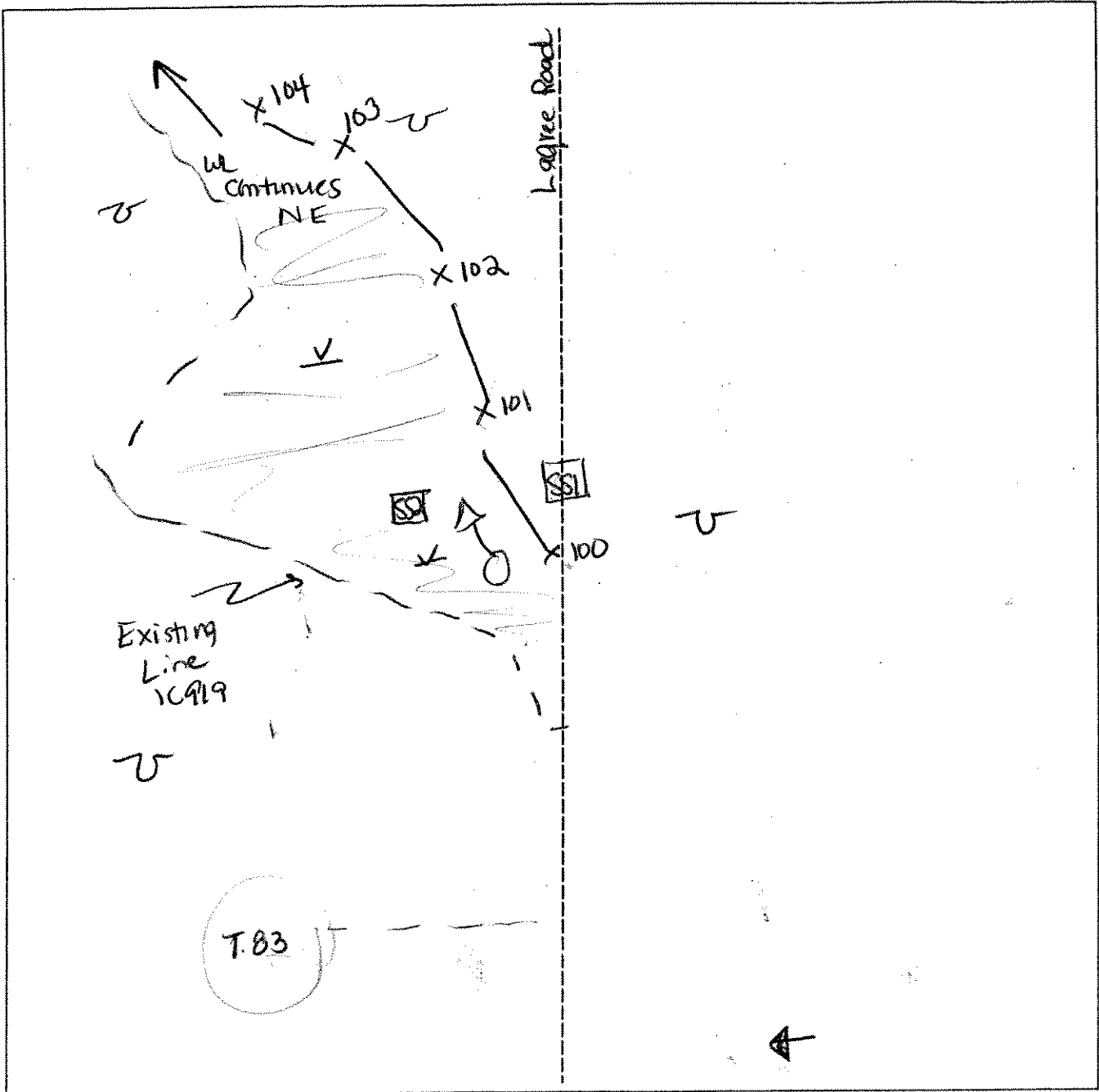
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: 10919 A EXT	Date: 5/7/07	Time:
Initials of Delineators: JV AP	Location: E OF T. 83	
Roll #: Frames: 4 = NE		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH	Date: 7.28 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: IC 903 ABSSI

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 0 Shrub: 10 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Onoclea sensibilis	H	FACW	9.		
2. Carex sp.	H	-	10.		
3. Spirea latifolia	H	FAC+	11.		
4. Scirpus cyperinus	H	FACW+	12.		
5. Polygonum lapathifolium	H		13.		
6. Salix sericea	H	OBL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): 8"	
Remarks:	

Date: 7-28-06  
 Community ID:  
 Plot ID: IC963AB551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 8/1	—	—	Silt loam w/ roots
6-12	B	10YR 4/2	10YR 4/4	many/medium/dist.	fine sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Prevalent e 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JV	Date: 7-28-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: IC96 3A/B SSA

**VEGETATION**

Plant Community Classification: <u>Woodside</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Ranunculus acris	H	FAC+	9.		
2. R. repens	H	FAC	10.		
3. Grass sp	H		11.		
4. Fragaria virginiana	H	FAC11	12.		
5. Vicia cracca	H	UPL*	13.		
6. Galium mollugo	H	UPL*	14.		
7. Achillea millefolium	H	FACU	15.		
8. Tritolium dubium	H	UPL*	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:  ANI - assume UPL					

**HYDROLOGY NONE**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-28-06  
 Community ID: Upland  
 Plot ID: I963A/B SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	25Y 3/3	—	—	Sandy Silt
8-12	B	10YR 3/3	—	—	Sandy Silt

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

Refusal @ 12"

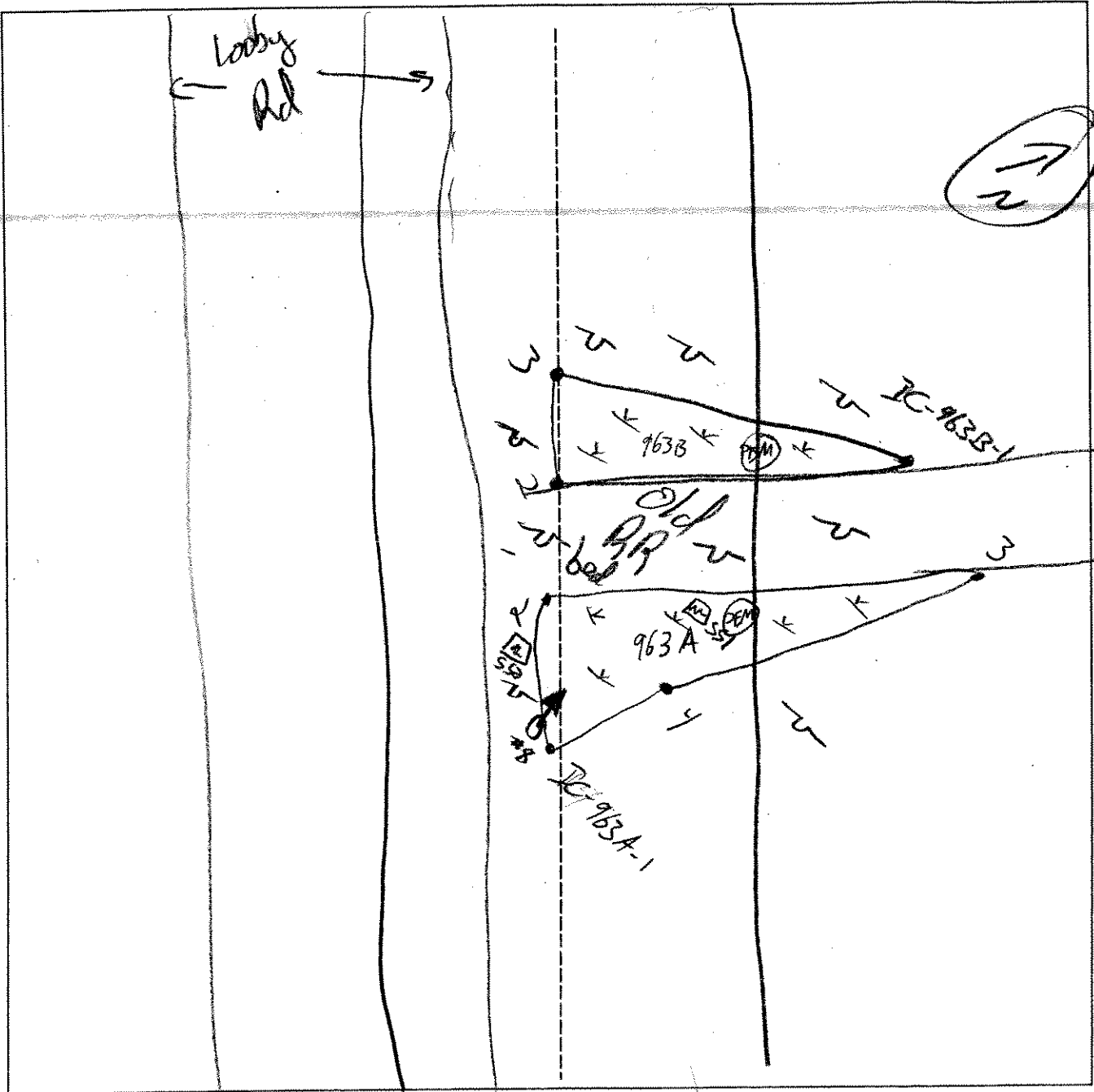
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	<input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes	<input type="checkbox"/>	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	Yes	<input type="checkbox"/>	<input checked="" type="checkbox"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: <i>IC-963A/B</i>	Date: <i>7/28/06</i>	Time:
Initials of Delineators: <i>KA, OV</i>	Location: <i>Whala rd / Lobby Rd Junction</i>	
Roll #: <i>KA</i>	Frames: <i>8</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: K-969 A 551

**VEGETATION**

Plant Community Classification: PF04/1					
Percent Canopy Cover: Tree: 100 Shrub: 30 Herb: 60 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Abies balsamiae	T/S	FAC	10.		
3. Fraxinus pennsylvanica	S/H	FACW	11.		
4. Corylus cornuta	S/H	FACU	12.		
5. Carex sp	A	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/5 80%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks) DEC Wetland
<b>Field Observations:</b> Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): - Depth to Saturated Soil (in.): moist at 12"	
Remarks:	

Date: 8/1/06  
 Community ID:  
 Plot ID: 1C-969 A -SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: ✓ Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12"	A	10YR 2/1	-	-	COARSE SANDY SILT
12+		10YR 3/2	-	-	"

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Color change at 12"+, could not dig further due to larger rocks @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: Drew boundary line at change in elev & slight comp (veg) change.  
 Photo 12 to N.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM / JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-969-A/B SS2

**VEGETATION**

Plant Community Classification: UPL Forest mixed deciduous  
 Percent Canopy Cover: Tree: Shrub: Herb: Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Abies balsamiae	T	FAC	9.		
2. Ostrya virginiana	T	FACU	10.		
3. Betula populifolia	T	FAC	11.		
4. Corylus cornuta	S	FACU	12.		
5. Prunus sp	S	FACU	13.		
6. Galium aparine	H	FACU	14.		
7. Carex sp	H	-	15.		
8. O. virginiana	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/8 25%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC / TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): — Depth to Saturated Soil (in.): —	
Remarks: photo # 13, 14 to S. NO soil moisture at all, soil falls apart.	

Date: 8/1/04  
 Community ID:  
 Plot ID: 1C-969 A/SS2  
 B

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-10	A	10YR3/6			silt sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal @ 10"

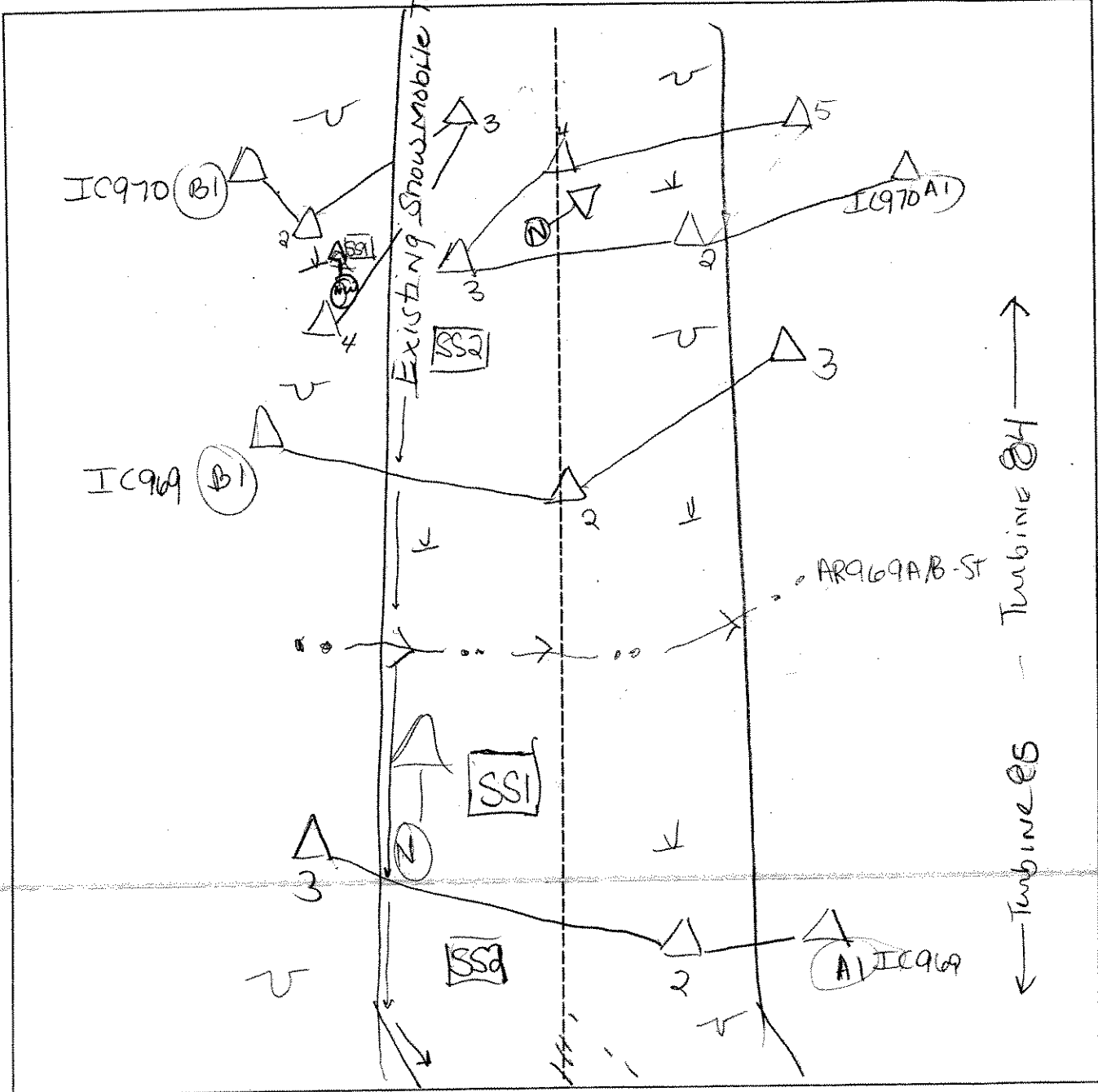
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: IC969 A/B + IC970 A/B		Date: 8-1-06	Time:
Initials of Delineators: SM JV		Location: IC between AR to turbine 85 + 84	
Roll #:	Frames: 909 => N	970 NW + N	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

IC969AB  
LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PFO / PEM Transect ID: Plot ID: AR967 D-SS1

IC969AB

**VEGETATION**

Plant Community Classification: Tree: 000 Shrub: < 10 Herb: 95 Vine: 0  
Percent Canopy Cover:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ulmus americana</i>	T	FACW	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Alnus incana</i>	T	FACW	11.		
4. <i>Spiraea</i> sp.	S	FAC	12.		
5. Marsh marigold	H	GBL	13.		
6. <i>Impatiens capensis</i>	H	FACW	14.		
7. Grass sp.	H	=	15.		
8. Moss sp.	H	=	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: Cannot id species b/c flower heads missing and leaves have not emerged completely.

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):  <input type="checkbox"/> Stream, Lake, or Tide Gauge  <input type="checkbox"/> Aerial Photographs  <input type="checkbox"/> Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input checked="" type="checkbox"/> Inundated in spots  <input checked="" type="checkbox"/> Saturated  <input type="checkbox"/> Water Marks  <input type="checkbox"/> Drift lines  <input type="checkbox"/> Sediment Deposits  <input type="checkbox"/> Drainage Patterns in Wetlands          Secondary Indicators (2 or more required):  <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input type="checkbox"/> Water-Stained Leaves  <input type="checkbox"/> Local Soil survey Data  <input type="checkbox"/> FAC-Neutral Test  <input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): &lt; 1" in spots          Depth to Free Standing Water in Pit (in.): 0"          Depth to Saturated Soil (in.): 1"</p>	
Remarks:	

Date: 5/7/07  
 Community ID: PFO/PEM  
 Plot ID:

AR907 A SS1  
 1C909 AB

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/1			silty

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: moist, saturated at surface, water surface, depth refusal @ 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: Dec 02 photo 7 = NW

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> <del>No</del> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> <del>No</del> Is the area a potential Problem Area? <u>Yes</u> <del>No</del> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR 967 DA 552</u>

IC 969 AD

**VEGETATION**

Plant Community Classification: Balsam Flats  
 Percent Canopy Cover: Tree: 85 Shrub: 20 Herb: 30 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamiae</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula papyrifera</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. balsamiae</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>A. cer. subrium</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Fragaria virginiana</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Solidago sp</u>	<u>H</u>	<u>—</u>	14.		
7. <u>Viburnum lantanoides</u>	<u>H</u>	<u>FAC</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): > 50%

Remarks: cannot i.d species due to time of year

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 5/7/07  
 Community ID: UPL  
 Plot ID: AR967 A 852  
 10969 AB

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR 2.5/2			
1-4	A	10YR 3/2			loam
4-14	B	10YR 3/2	10YK 4/3	distinct, few, med.	sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: slight organic streaking in B, soil dry to moist

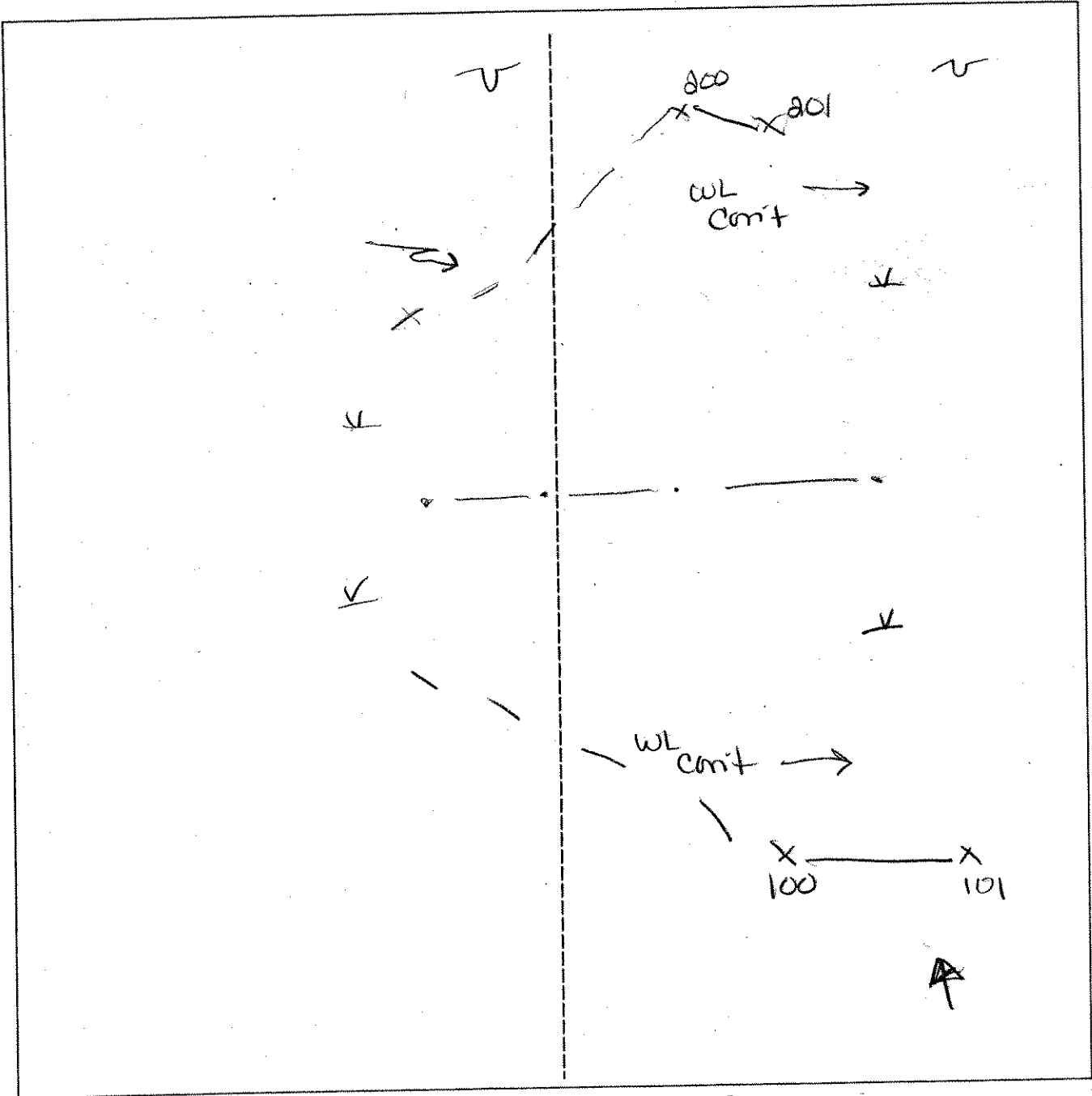
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks

**SKETCH FORM**

Wetland ID/Route #: 1C9109 AB EXT	Date: 5/7/07	Time:
Initials of Delineators: JV AP	Location: W of T.85	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: Transect ID: Plot ID: IC-970 A SS1							

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Acer rubrum	T	FAC	9.			
2. Osmunda sp.	H	FAC	10.			
3.			11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):						
Remarks: Representative similar to IC-970 B SS1						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks: Standing water @ surface in some areas, saturated @ 0"

Date: 8/1/06  
 Community ID:  
 Plot ID: 1C-970 A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12		10YR 2/N			Organic Muck

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: Representative Plot  
 Soils similar to 1C-970 B-SS2

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks  
 UPL Plot shared w/ 1C-970 B-SS2  
 Photo 19 to N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM / JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (if needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: Transect ID: Plot ID: IC-970 B SS1	

**VEGETATION**

Plant Community Classification: FE04 Percent Canopy Cover: Tree: 70    Shrub: 30    Herb: 95    Vine: —					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Abies balsamiae</i>	S	FAC	10.		
3. <i>Osmunda regalis</i>	H	FACW	11.		
4. <i>Osmunda claytonia</i>	H	FAC	12.		
5. <i>Carex crinita</i>	H	OBL	13.		
6. <i>Galium asprellum</i>	H	OBL	14.		
7. mosses			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: mosses > 20% abund. Also <i>Spiraea tomentosa</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC / TORO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): 8" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 8/1/06  
 Community ID:  
 Plot ID: IC-970 B-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR2/N			mucky silt
12-18	B	10YR6/2	10YR 5/4	many coarse famb	silty sand

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Black mucky A horizon

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

Photo 18 to ~~19~~ NW

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM / JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
Community ID: Transect ID: Plot ID: K-970 B-SS2	

**VEGETATION**

and IC-970 A-SS2

Plant Community Classification: mixed deciduous forest						
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Acer rubrum	T	FAC	9.			
2. Betula populifolia	T	FAC	10.			
3. Prunus (Pin cherry)	S	FACU	11.			
4. Abies balsamiae	S	FAC	12.			
5. Prunus (Pin cherry)	H	FACU	13.			
6. Maianthemum canadense	H	FAC	14.			
7. Shining Clubmoss	H	FACU	15.			
8			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/7 < 50%						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TDPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): —  Depth to Free Standing Water in Pit (in.): —  Depth to Saturated Soil (in.): 10"	Remarks:  Photo 17 to SE @ SS2

Date: 8/1/06  
 Community ID:  
 Plot ID: IC 970 B-SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/1			Silty sand
8-14	B1	10YR 3/6			"
14-16	B2	2.5Y 6/3			"
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

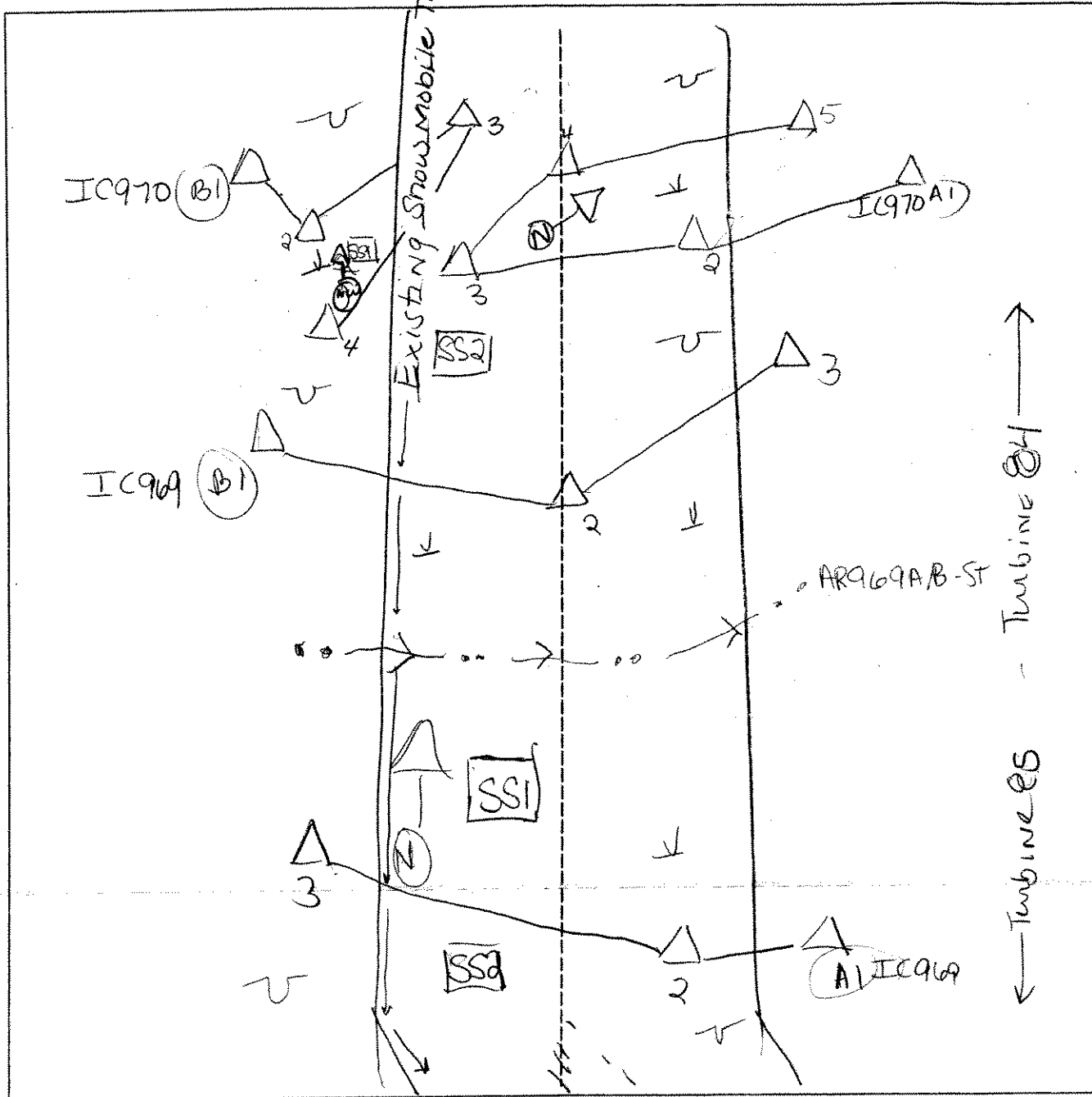
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/>	No	<input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/>	Yes	No	<input type="radio"/>	
Hydric Soils Present?	Yes	<input checked="" type="radio"/>	No	<input type="radio"/>	
Remarks					
This Station is also used for IC-970 A SS2					



SKETCH FORM

Wetland ID/Route #: IC969 A/B + IC970 A/B	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC between AR to turbine 85 + 84	
Roll #: 409 => N	Frames: 970 NW + N	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-971-ASS1

**VEGETATION**

Plant Community Classification: PFO4	Tree: 60	Shrub: 20	Herb: 100	Vine: -	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Betula populifolia	T/S	FAC	10.		
3. Osunda claytonia	H	FAC	11.		
4. Onoclea sensibilis	H	FACW	12.		
5. Carex crinita	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): 0'	
Remarks: photo 20 to west - UPL SS 2 21 to east - WL SS 1	

Date: 8/1/06  
 Community ID:  
 Plot ID: IC-971 A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-14	A	10YR2/1			Fine sandy silt
14-18	B	2.5Y 5/2	10YR4/6	Few, coarse, distinct	Silty Fine Sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Remarks: photo 91

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 2/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-971 A 552

**VEGETATION**

dom = sub dom

Plant Community Classification: UPL Forest / shrubs ; deciduous  
Percent Canopy Cover: Tree: 60 Shrub: 50 Herb: 80 Vine: —

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Prunus serotina	T	FACU	9.		
2. Fraxinus pennsylvanica	T	FACW	10.		
3. Acer rubrum	T	FAC	11.		
4. Prunus serotina	S	FACU	12.		
5. F. pennsylvanica	S	FACW	13.		
6. Solidago racosa	H	FAC	14.		
7. unknown Solidago	H	—	15.		
8. Acer saccharum	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/7; > 50%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC, TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): — Depth to Saturated Soil (in.): > 8"	
Remarks: Soil has little moisture, falls apart	

Date: 8/1/06  
 Community ID:  
 Plot ID: 1C-971A-SS2

**SOILS**

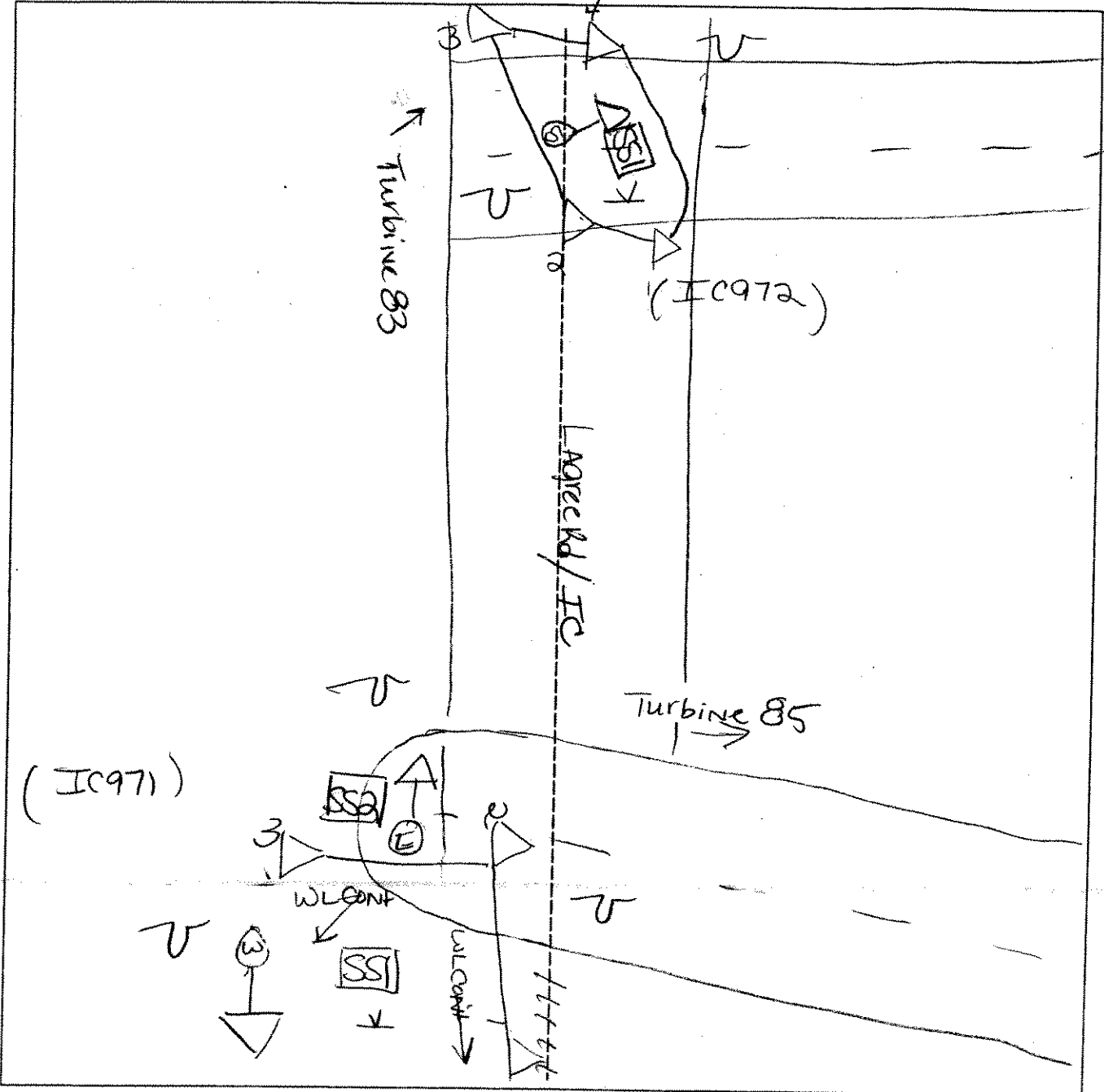
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A <sub>1</sub>	10YR 3/2			
3-8	A <sub>2</sub>	10YR 3/4			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: Photo 20 UPL SS2		

**SKETCH FORM**

Wetland ID/Route #: IC971A + IC972A	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC blt AR to turbines 85 + 83	
Roll #: Frames: IC971 => E, IC972 => W + S		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

← N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: PSS/PEN Transect ID: Plot ID: 1C971 A SSI	

**VEGETATION**

Plant Community Classification: Alder Swamp  
 Percent Canopy Cover: Tree: Shrub: 70 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus nigra</i>	S	FACW	9.		
2. <i>Betula populifolia</i>	S	FAC	10.		
3. <i>Spirea latifolia</i>	S	FAC	11.		
4. <i>Caltha palustris</i>	H	OBL	12.		
5. <i>Juncus</i>	H	OBL	13.		
6. <i>Quercus</i> sp	H		14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): ~ 2" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: Adjacent UPL area to east slopes into WL. WL receives discharge via surface/groundwater. Culvert connects adjacent DEC wet @ K971-A100	

Date: 5/7/07  
 Community ID: PSS (perm)  
 Plot ID: K97L A SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	7.5YR 2.5/1			SIF
10-15	B	5Y 5/2	10YR 4/6	prom., common, sparse	sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: soil moist 0-8, saturated 8-15, organic streaks					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks DEC wetland photo 5 = 5			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>1C971 ASS2</u>

EXT

**VEGETATION**

Plant Community Classification: <u>Mixed Deciduous</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>95</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fraxinus americana</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Rubus sp.</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Dracopis americanum</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&gt;50%</u>					
Remarks: <u>Christonia observed along transmission area.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/7/07  
 Community ID: UPL  
 Plot ID: 10971 A 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/1			silt loam
4-14	B	10YR 2/1			silt loam
14-16	C	7.5YR 5/2			loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Plagic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

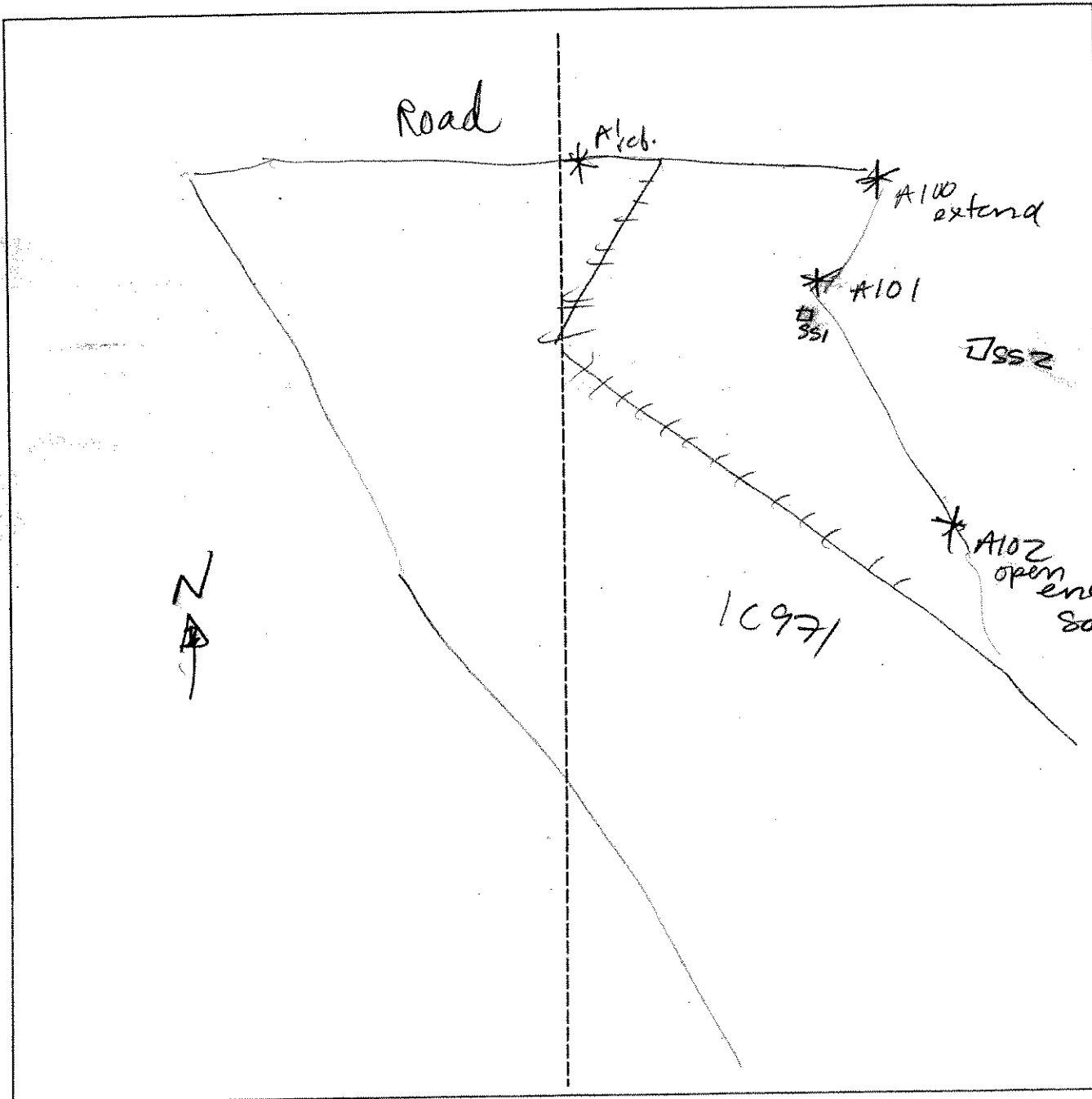
Remarks: soil moist, not saturated

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: 10971 EXTENSION	Date: 7 May 07	Time:
Initials of Delineators: JV - AP	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/SV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: K-972A S51

**VEGETATION**

Plant Community Classification: PEM	Tree:	Shrub:	Herb: 100	Vine:	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Unknown grass	H		9.		
2. Unknown Carex			10.		
3. Onoclea sensibilis			11.		
4. Medicago (black)			12.		
5. Elyocharis			13.		
6. Polygonum			14.		
7. 3-awn sedge			15.		
8. Common plantain	V		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPD <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): 11" Depth to Saturated Soil (in.): 3"	
Remarks: water continues to film soil pit	

Date: 8/1/06  
 Community ID:  
 Plot ID: 1C-972 A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6		10YR 3/2	-		silt loam
6-17		10YR 5/1	10YR 3/6	COMMON, med. PROM.	silt loam
17-18		10YR 6/2	-		silty coarse sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="float:right;">Yes No</span>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: Photo 22 to NE			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SMJSV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-972 A 552

**VEGETATION**

Plant Community Classification: Upland - mixed deciduous					
Percent Canopy Cover: Tree: 80 Shrub: 20 Herb: 20 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pinus serotina	T	FACU	9.		
2. Cretaceous sp.	T	FACU	10.		
3. Cretaceous sp.	S	FACU	11.		
4. P. serotina	S	FACU	12.		
5. Flat top white Aster	H	FACW	13.		
6. Common red Raspberry	H	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/6 = 33%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC / TOPD <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): - Depth to Saturated Soil (in.): -	Remarks: very moist but not saturated from 12-18

Date: 8/1/06  
 Community ID:  
 Plot ID: C-972A-SS2

**SOILS**

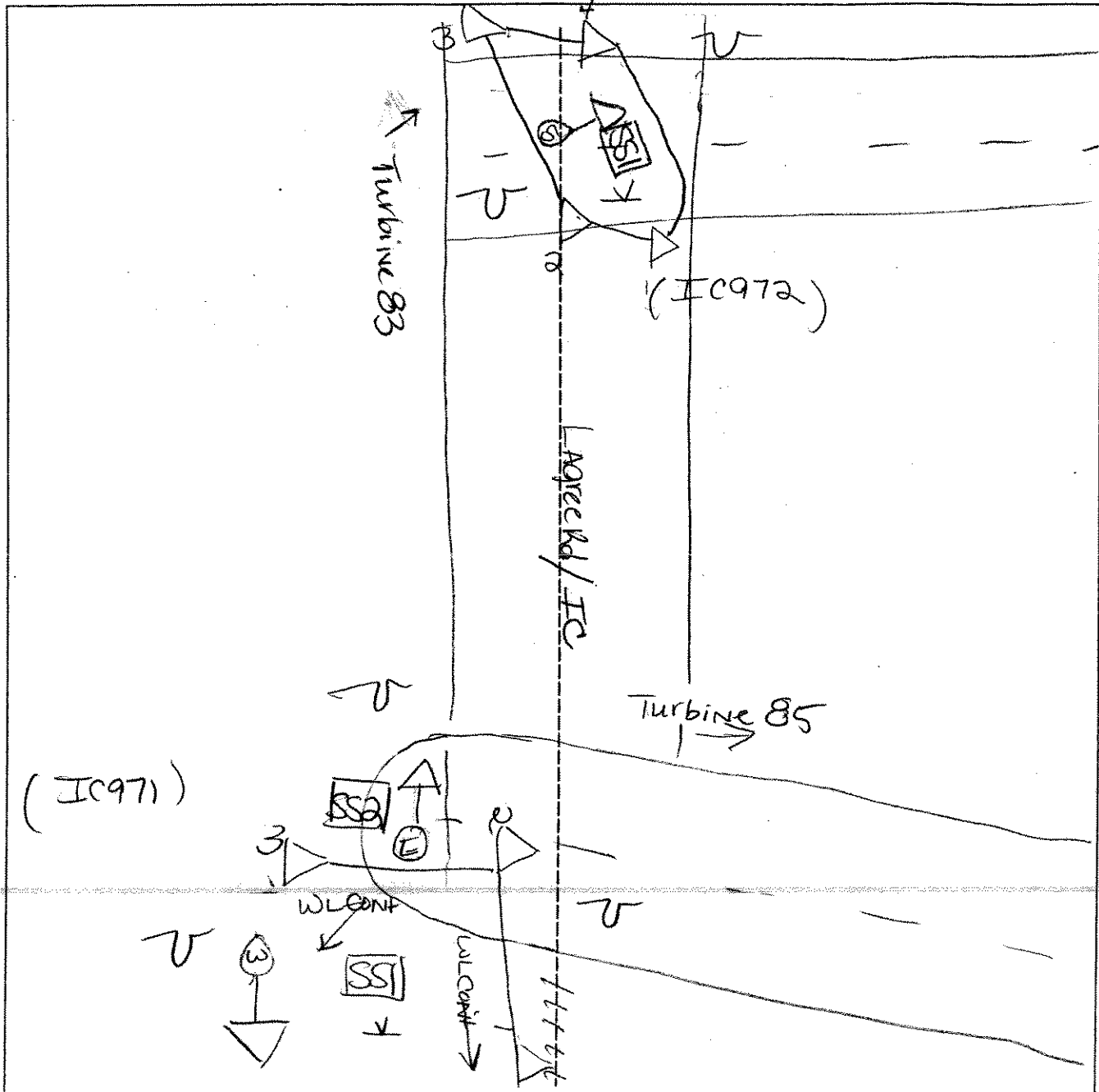
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-7	A <sub>1</sub>	10YR 2/2			Loam
7-15	A <sub>2</sub>	10YR 3/2			"
15-18	B	10YR 7/1	10YR 4/0	common, med, distinct	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/>	No	
Remarks <div style="font-size: 2em; text-align: center;">Photo # 23 to N (SS2)</div>			

SKETCH FORM

Wetland ID/Route #: IC971A + IC972A	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC bit AR to turbines 85 + 83	
Roll #:	Frames: IC971 =>E, =>W +	IC972 =S



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

← N



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> NO Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> NO * Is the area a potential Problem Area? Yes <input checked="" type="radio"/> NO (if needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-973 A-SS1

**VEGETATION**

Plant Community Classification: PEM	Tree: -	Shrub: -	Herb: 100	Vine:	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Aster umbellatus	H	FACW	9.		
2. Lance-leaf goldenrod	H	FAC	10.		
3. Scirpus atrovirens	H	OBL	11.		
4. Sedges	H	-	12.		
5. Rushes	H	-	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):			100%	3/3	
Remarks:					

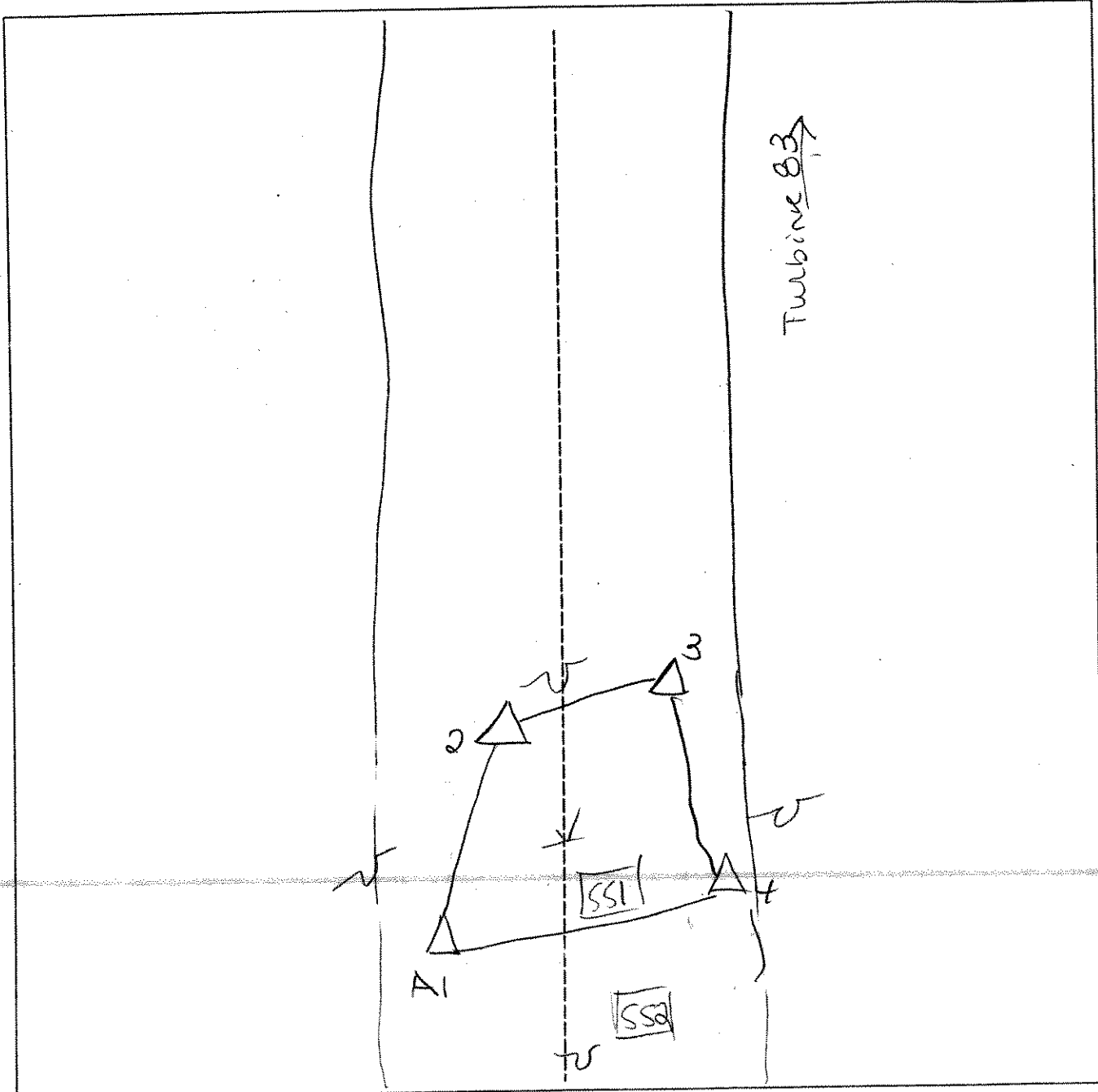
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DRC / TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): — Depth to Saturated Soil (in.): 0"	
Remarks:	



SKETCH FORM

Wetland ID/Route #: IC973A	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC/AR to turbine 83	
Roll #:	Frames:	



<b>Legend</b>		
Photo Location/Direction	Wetland	
Sample Station	Upland	
Centerline	Stream	
Flag	Intermittent Stream	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;">Yes * No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input checked="" type="checkbox"/> No</span> Is the area a potential Problem Area? <span style="float: right;">Yes <input checked="" type="checkbox"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-977 B SS1

**VEGETATION**

Plant Community Classification: PEM					
Percent Canopy Cover:		Tree:	Shrub:	Herb: 100	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Pheum pratense</i>	H	FACU	9.		
2. <i>Scirpus atrovirens</i>	H	OBL	10.		
3. <i>Agrostis alba</i>	H	FACW	11.		
4. <i>Polygonum sagittatum</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 74 75%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + T&E <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): — Depth to Saturated Soil (in.): 0'	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SM/JV</i>	Date: <i>8/31/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)?      Yes <input checked="" type="radio"/> No Is the area a potential Problem Area?      Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>IC-977 @ SS1</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover:      Tree: <i>-</i> Shrub: <i>10%</i> Herb: <i>100</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Salix helmiana</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Agrostis alba</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Impatiens capensis</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Polygonum sagittatum</i>	<i>H</i>	<i>OBL</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Fallow Field</i> <i>vegetation similar to IC-977 B SS1</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <i>DEC + TOPO</i> <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Representative Plot</i> <i>Hydrology similar to IC-977 B SS1</i>	

Date: 8/3/06  
 Community ID:  
 Plot ID: IC-977 C SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Representative Plot  
 Soils similar to IC 977B SS1

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: Photo 41 to SE  
 Upland Station shared w/ IC-977 B SS2

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-977 B 452 1C977 C

**VEGETATION**

Plant Community Classification: *pasture*  
Percent Canopy Cover: Tree: - Shrub: - Herb: 100 Vine: -

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Hordeum vulgare</i>	H		9.		
2. cow vetch			10.		
3. crown vetch			11.		
4. <i>Medicago sativa</i>	↓		12.		
5. <i>trifolium</i> spp.	↓	FACU	13.		
6. <i>melilotus</i> spp.	↓	FACU	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: *(\*) Active Ag - Pasture* (*Hordeum vulgare - barley*)  
*clovers → sweet, white, red*

**HYDROLOGY**

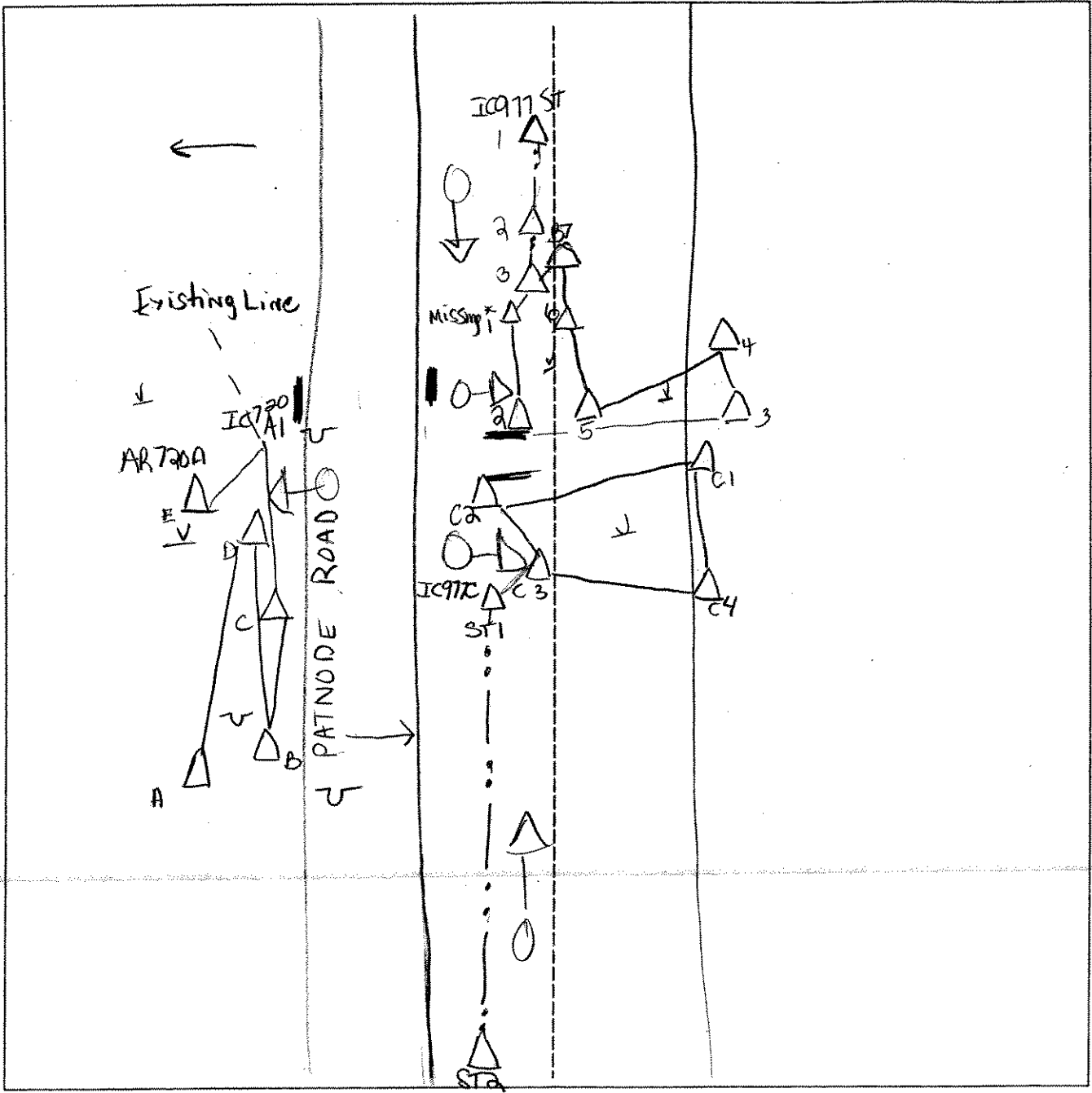
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <i>DEC / TOPO</i> <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): - Depth to Saturated Soil (in.): <i>&gt; 16"</i>	
Remarks:	





SKETCH FORM

Wetland ID/Route #: IC977A-ST/B/C-ST/C + AR720A		Date: 8-3-06	Time:
Initials of Delineators: Sm JV		Location: IC blt turbine Co road AR along Patnode Rd	
Roll #:	Frames:		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Culvert	Intermittent Stream
Flag	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM   JV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-978 A/B/D/E-E

**VEGETATION**

Plant Community Classification: <sup>PSS</sup> Percent Canopy Cover: Tree: 25 Shrub: 60 Herb: 80 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Salix helvetica</i>	S	FACW	10.		
3. <i>Alnus rugosa</i>	S	FACW+	11.		
4. <i>Cornus</i> spp	S	FAC	12.		
5. <i>Typha latifolia</i>	H	OBL	13.		
6. <i>Eupatorium maculatus</i>	H	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: This large DEC wetland is bisected by Hwy 189; one data sheet for 978 A, -B, -D, & E					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC & TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <b>Drainage Patterns in Wetlands</b> <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 2" in places Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): 0" in most places	
Remarks:	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/SV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-978 A/B/D/E SS 2

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 20 Shrub: Herb: 1 Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Populus tremuloides	T	FACU	9.		
2. Bromus tectorum	H	NI	10.		
3. Ixia sp	H	FACU	11.		
4. Dewberry sp.	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/4 = 25%					
Remarks: <input checked="" type="radio"/> Fallow Field Pasture					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): - Depth to Free Standing Water in Pit (in.): - Depth to Saturated Soil (in.): > 8"	
Remarks:	

Date: 8/3/06  
 Community ID:  
 Plot ID: IC-978 A/B/D/E -SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-7	A	10YR 3/2			Sandy loam
7-8	E	10YR 6/2 & 10YR 4/2		(NO MOTTLES)	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

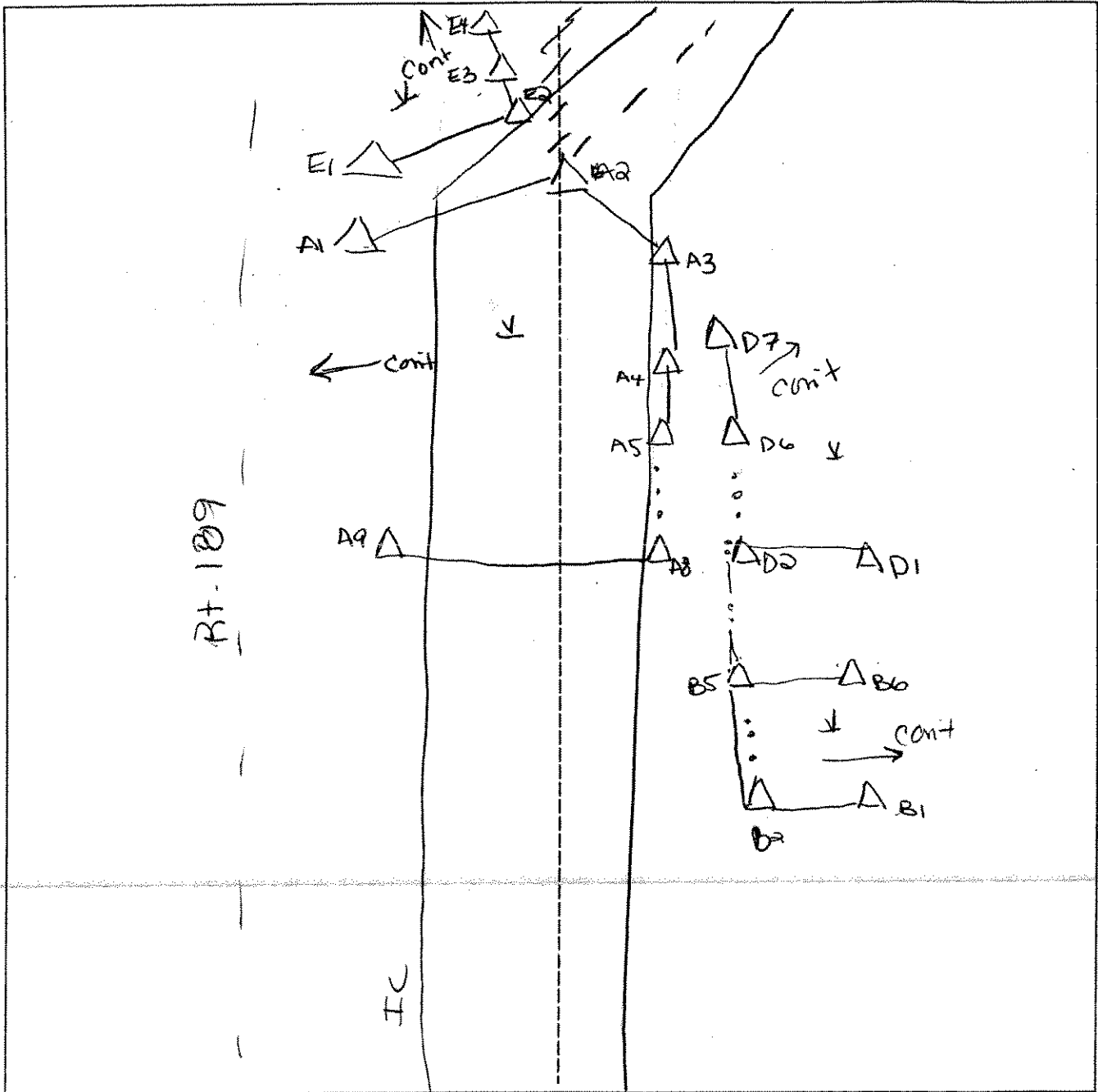
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/> No	
Hydric Soils Present?	Yes	<input type="radio"/> No	

Remarks

SKETCH FORM

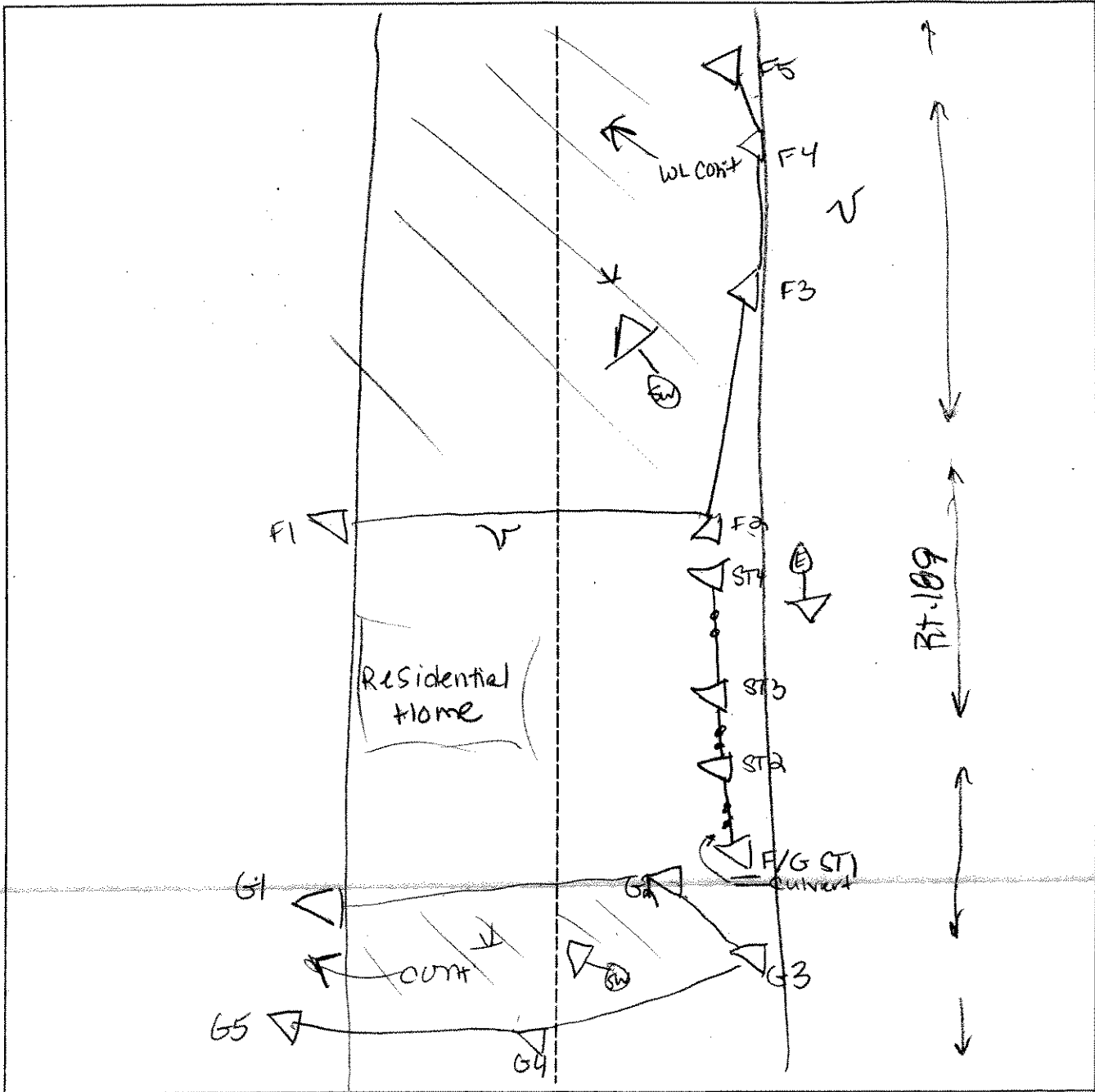
Wetland ID/Route #: IC 978A/B/D/E	Date: 8-3-06	Time:
Initials of Delineators: SMJV	Location: IC B4 AR to turbine 48W + new turbine 203 partitions on 189	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC978 F/G	<b>Date:</b> 8-4-06	<b>Time:</b>
<b>Initials of Delineators:</b> SM JV	<b>Location:</b> IC bit AR to turbines 48+203	
<b>Roll #:</b> <b>Frames:</b>		



<p><b>Legend</b></p> <p>○ ↗ Photo Location/Direction</p> <p>□ Sample Station</p> <p>--- Centerline</p> <p>▷ Flag</p>	<p>↘ Wetland</p> <p>∪ Upland</p> <p>— Stream</p> <p>— . . . Intermittent Stream</p> <p style="text-align: right;">N →</p>
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**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LIVE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: 1978 AF SSI

**VEGETATION**

Plant Community Classification: *Piedmont mesic*  
 Percent Canopy Cover: Tree: 90 Shrub: 100 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Alnus Rupestris	T	FAC	10.		
3. Prunus serotina	S	FACW	11.		
4. A. rubra	S	FAC	12.		
5. A. rupestris	S	FAC	13.		
6. P. serotina	S	FACW	14.		
7. Ilex verticillata	H	FACW	15.		
8. Grass sp	H		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
 Remarks: \* prunus observed on edge of wl

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 2 1/2" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/5/07  
 Community ID:  
 Plot ID: 1C978-AE SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-20	A	10YR 2/1			Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: High organic content. Approx 6" peat-like soils forming.  
 Woody debris decomposing

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: Photo 7 = S  
  
 DEC wetland

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/5/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPL</i> Transect ID: Plot ID: <i>1C978 AFSS2</i>

EXT

**VEGETATION**

Plant Community Classification: <i>Prond</i>					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>None</i>			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/07  
 Community ID: UPL  
 Plot ID: 1C978 AF 582

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
N/A					
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: UPL area consists of compacted fill. For 978A UPL area consists of paved road for 978F					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/>	<input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/>	<input type="radio"/>	
Hydric Soils Present?	Yes	<input checked="" type="radio"/>	<input type="radio"/>	
Remarks: Road bisects DEC WL.				

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/5/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PEM</i> Transect ID: Plot ID: <i>K978 G551</i>

EXT

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>90</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Cattails</i>	<i>H</i>	<i>OBL</i>	9.		
2. <i>Bud Canary grass</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Impatiens capnoides</i>	<i>H</i>	<i>FACW</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>NA</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>0"</i>	Remarks: <i>Depressional area that drains ag field to the south</i>

Date: 5/5/07  
 Community ID: pem  
 Plot ID: 1C978 G 881

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/2	10YR 5/4	Few Med Distinct	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: DEC W

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/5/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>10978 582</u>

**VEGETATION**

EXT

Plant Community Classification: <u>Residential Yard</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grass sp</u>	<u>H</u>	<u>—</u>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>✓</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/07  
 Community ID: UPL  
 Plot ID: K978 B582

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Could not assess soils. Maintained yard

**WETLAND DETERMINATION**

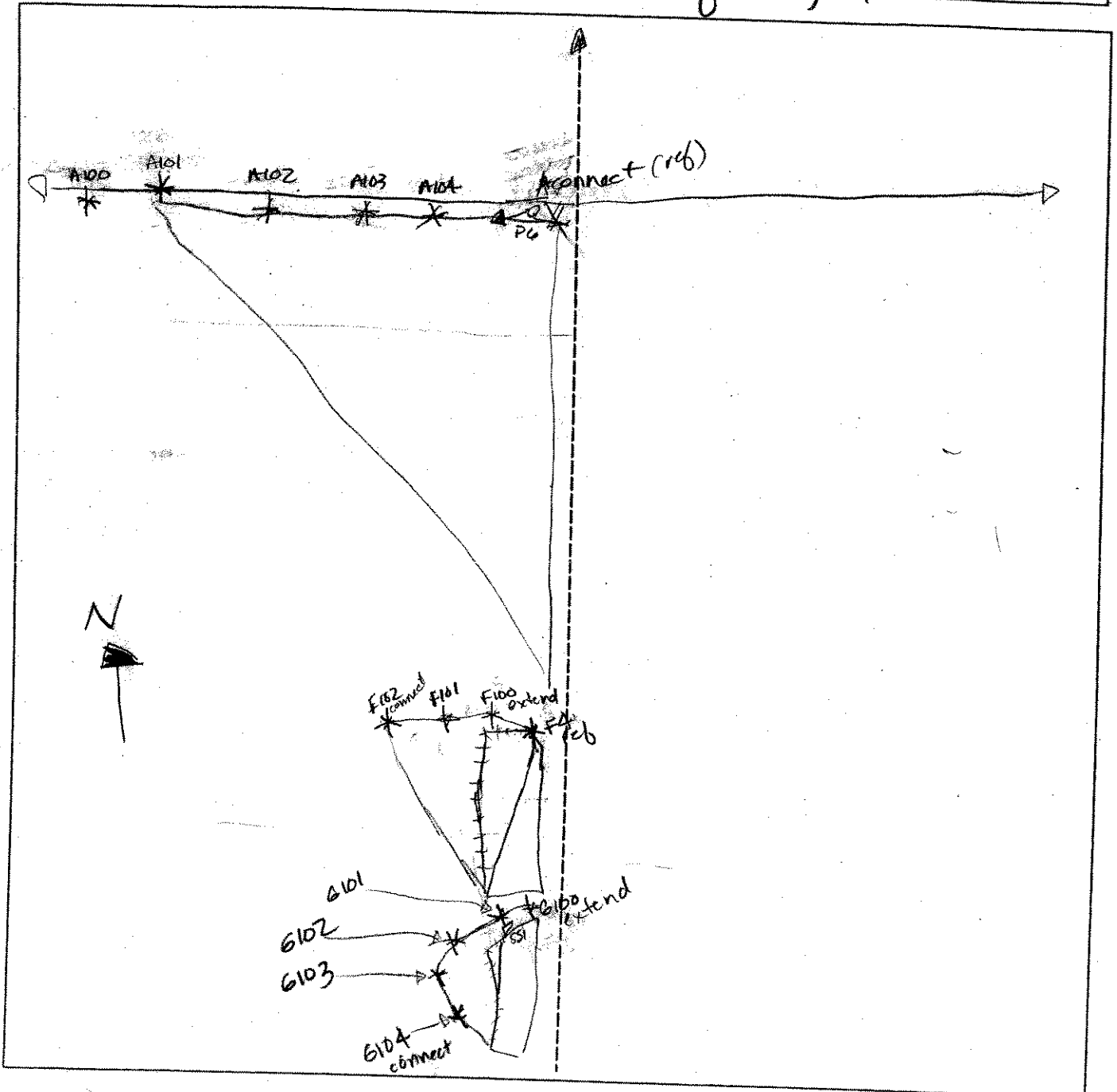
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Remarks



SKETCH FORM

Wetland ID/Route #: IC978 A, F, G EXT		Date: 5 May 07	Time:
Initials of Delineators: JV, AP		Location: IC978 A, F, G	
Roll #:	Frames: photo 6 by A connect facing West		



<p>P6 O ↗ Photo Location/Direction</p> <p>□ Sample Station</p> <p>--- Centerline</p> <p>▷ Flag</p>	<p><b>Legend</b></p> <p>∨ Wetland</p> <p>∪ Upland</p> <p>— Stream</p> <p>- - - Intermittent Stream</p>
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**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM JV SC	Date: 8-15-06 County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area?      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: PEM1/PFO Plot ID: ILC980A-SSI

**VEGETATION**

Plant Community Classification: PEM					
Percent Canopy Cover:		Tree: 0	Shrub: 45	Herb: 45	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	S	FAC	9.		
2. Grass sp.	H		10.		
3. St John Wort H. canadense	H	FACW	11.		
4. Narrow Lf grass	H	OBL	12.		
5. Smartweed SP	H		13.		
6. Northern Bugweed	H	OBL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%.					
Remarks: White top Fly Asher prominent throughout the Grass sp growing in low spots where standing water + poor drainage occurs (includes Carex)					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs X Other TOPO/DEL ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated X Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits X Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): N/A  Depth to Free Standing Water in Pit (in.): N/A  Depth to Saturated Soil (in.): 0	
Remarks:	

Date: 8.15.06  
 Community ID: PEM  
 Plot ID: IC980A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class: PD
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 3/2	5YR 4/6	Common/course/prom	fine sandy silt

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Very shallow soils w/ Bedrock near surface. Soils in low areas are very sticky and saturated. Soils include heavy organics

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks Adjacent to recently created road. Boulders and ruts exist within wetland area. Located in active logging area. within DEC wetland  
 Photo 2 + 3  
 NW SE

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SC SM JV	Date: 8-15-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No <input type="radio"/> (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: IC980A-552

**VEGETATION**

Plant Community Classification: existing logging road					
Percent Canopy Cover:		Tree: <input type="radio"/>	Shrub: <input type="radio"/>	Herb: <input type="radio"/>	Vine: <input type="radio"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: Representative plot					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPD/DEC <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: Representative plot	

Date: 8.15.06  
 Community ID: Upland  
 Plot ID: IC 980A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: Representative plot

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks: Representative plot. upland consists of logging road visible in photo # PB150002 and -0003.

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>Sm JV SC</u>	Date: <u>8-15-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PEM/PFO</u> Transect ID: Plot ID: <u>IC980A-SS3</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>75</u>	Shrub: <u>30</u>	Herb: <u>60</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Hayscented Fern</u>	<u>H</u>		11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Portion of wetland consists of red maple forest adjacent</u> <u>dominant Beech up land.</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>TOPO/DEC</u> <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Representative plot of IC980A-SS1</u>	

Date: 8-15-06  
 Community ID: PFO  
 Plot ID: IC980A-SS3

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Representative plot of IC980A-SS1

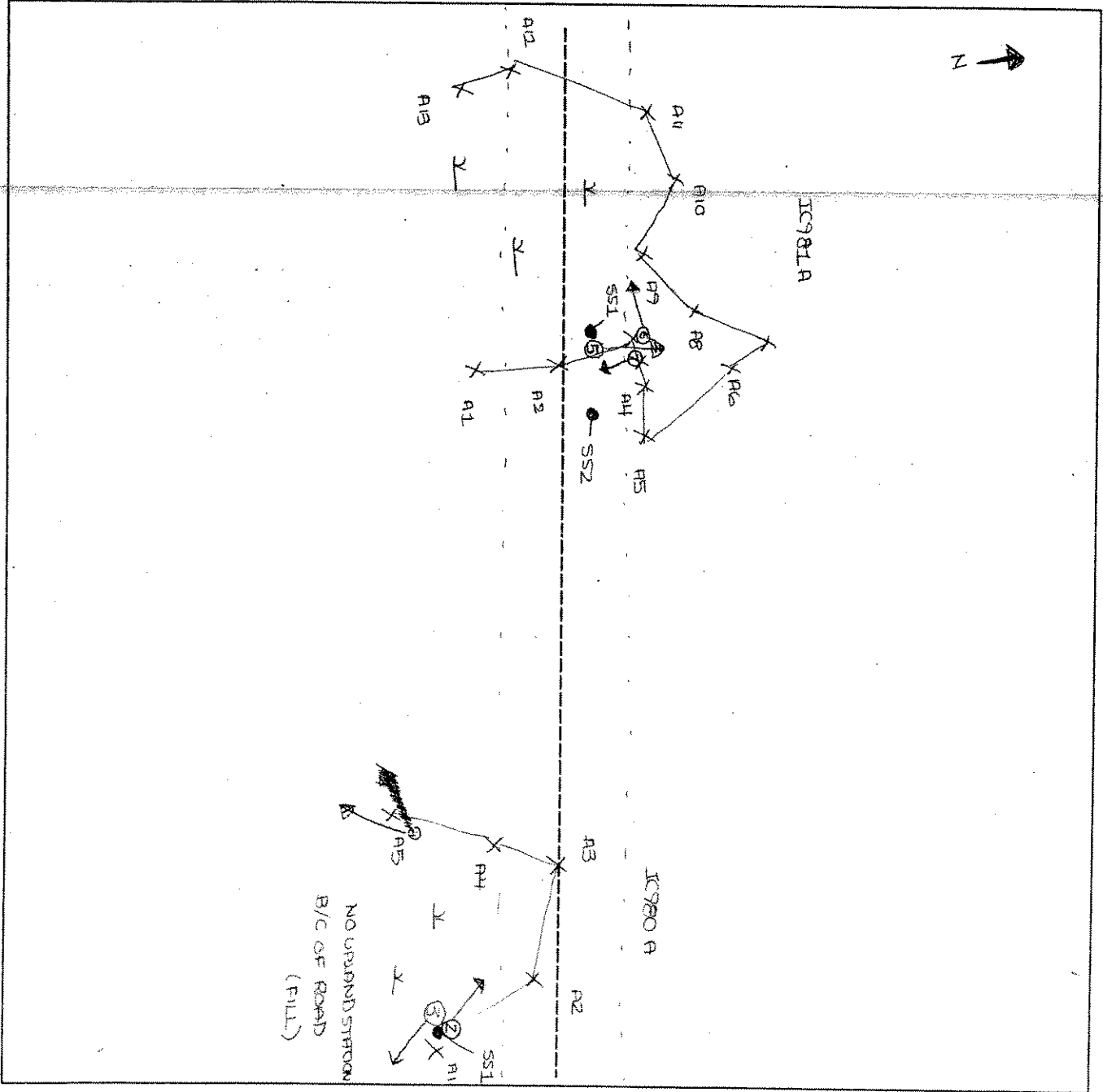
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks photo 4 (P08150004)  
 =S

**SKETCH FORM**

Wetland ID/Route #: IC980 / IC981	Date: 8/15/06	Time:
Initials of Delineators: SM / JV / SC	Location: MARBLE RIVER	
Roll #: ②-NW ③-SE ④-SW	Frames: PHOTO ⑤-NNE ⑥-W ⑦-S	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/4/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: C-980 A/B SSI

**VEGETATION**

Plant Community Classification: PFO4 / PEM					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Betula pennsylvanica	T	FAC	10.		
3. Abies balsamiae	S	FAC	11.		
4. Carex stricta	H	OBL	12.		
5. Carex			13.		
6. Onoclea sensibilis	H	OBL	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/6 100%					
Remarks: #4 3-awn carex ? name?					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 2" Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 8/4/06  
 Community ID:  
 Plot ID: 1C-980 A/B-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4 4-14	A B				Peat silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 14"; Bedrock					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
Photo 13 to S; SS1 (P8040013) 12 to N (wetland @ A line) (P8040012) 14 JPL SS2 (P8040014)			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SM/JV</u>	Date: <u>8/4/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>IC-980 A/B-552</u>

**VEGETATION**

Plant Community Classification: <u>Beech Maple Forest</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>40</u> Herb: <u>30</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer saccharum</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Viburnum lantanoides</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Abies balsamea</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Isotria sp.</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/6 = 66%</u>					
Remarks: <u>also Tsuga canadensis - FACU</u> <u>and Athyrium filix-femina (Lady Fern)</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC + TOPD</u> <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <b>Drainage Patterns in Wetlands</b> <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>—</u> Depth to Free Standing Water in Pit (in.): <u>—</u> Depth to Saturated Soil (in.): <u>&gt; 14"</u>	
Remarks: <u>Soils are very dry, crumble apart</u>	

Date: 8/4/06  
 Community ID:  
 Plot ID: 1C-980-A/B-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations: Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1	—	—	Sandy silt loam
4-	B	10YR 3/6			Bandy silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

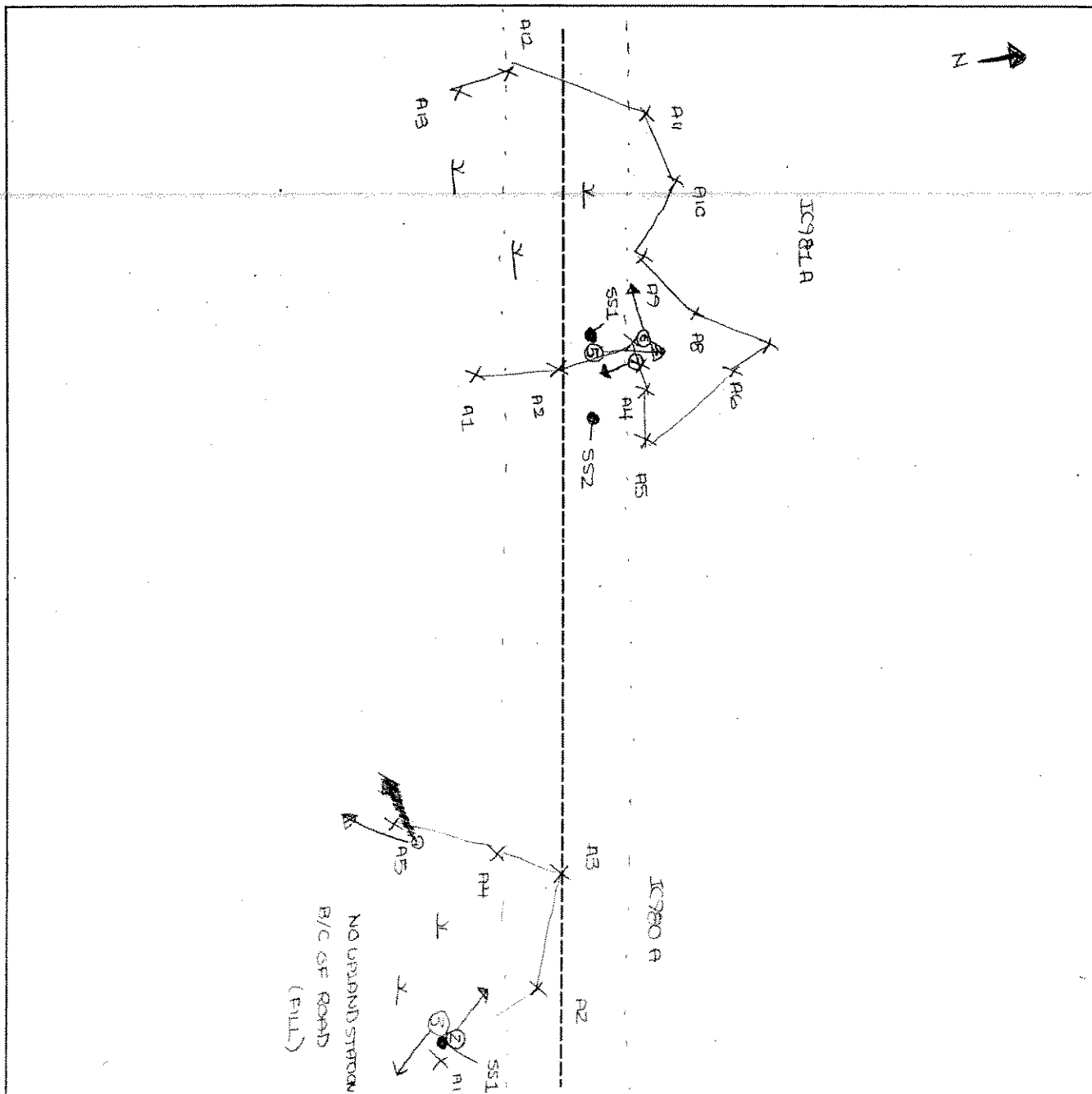
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>	

Remarks  
 Photo 14 to N (P 8040014) VPL SS2

**SKETCH FORM**

Wetland ID/Route #: IC980 / IC981	Date: 8/15/06	Time:
Initials of Delineators: SM / JV / SC	Location: MARBLE RIVER	
Roll #: ②-NW ③-SE ④-SW	Frames: PHOTO ⑤-NNE ⑥-W ⑦-S	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

IC980A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO</u> Transect ID: Plot ID: <u>AR 530 AB SSI</u> <u>IC980A</u> <u>AR527A</u>

**VEGETATION**

Plant Community Classification: <u>Red maple mesic</u> Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>40</u> Herb: <u>65</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Olar rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Gray birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Aphagnum moss 75%</u>	<u>VI</u>	<u>OBL</u>	13.		
6. <u>Mouanthemum Paradoxis II</u>	<u>VI</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field-Observations:</b>  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>4"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/10/07  
 Community ID: Wetland SSI  
 Plot ID: AR530 AB SSI  
 10980A  
 AR507A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR 2.5/2			
4-8	A	4.5YR 4/1			clay
8-A	B	10YR 6/1			loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: saturated @ 0", water in pit @ 4"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: photo 4 = N  
 DEC WL  
 photo 6 = NW

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/10/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>AR530 AR552</i> Transect ID: <i>1C900A</i> EXT Plot ID: <i>Upland AR507A</i>

**VEGETATION**

Plant Community Classification: <i>early successional</i>					
Percent Canopy Cover: Tree: <i>65</i> Shrub: <i>40</i> Herb: <i>70</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus grandidentata</i>	T	FACU	9.		
2. <i>C Acer rubrum</i>	T	FAC	10.		
3. <i>B. populifolia</i>	T	FAC	11.		
4. <i>Viburnum dentatum</i>	S	FAC	12.		
5. <i>Vaccinium low bush</i>	H	FACU	13.		
6. <i>pteridium aquilinum</i>	H	FACU	14.		
7. <i>Maianthemum canadensis</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>750' / -</i>					
Remarks: <i>Area has been logged of mature stand</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 5/10/07  
 Community ID: upland ss 2  
 Plot ID: AR 530 AB SS2  
 IC 980A

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class: AR 537A  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	7.5YR 2.5/2			
3-12	A	10YR 2/1	7.5YR 6/2	many, prom., sparse	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

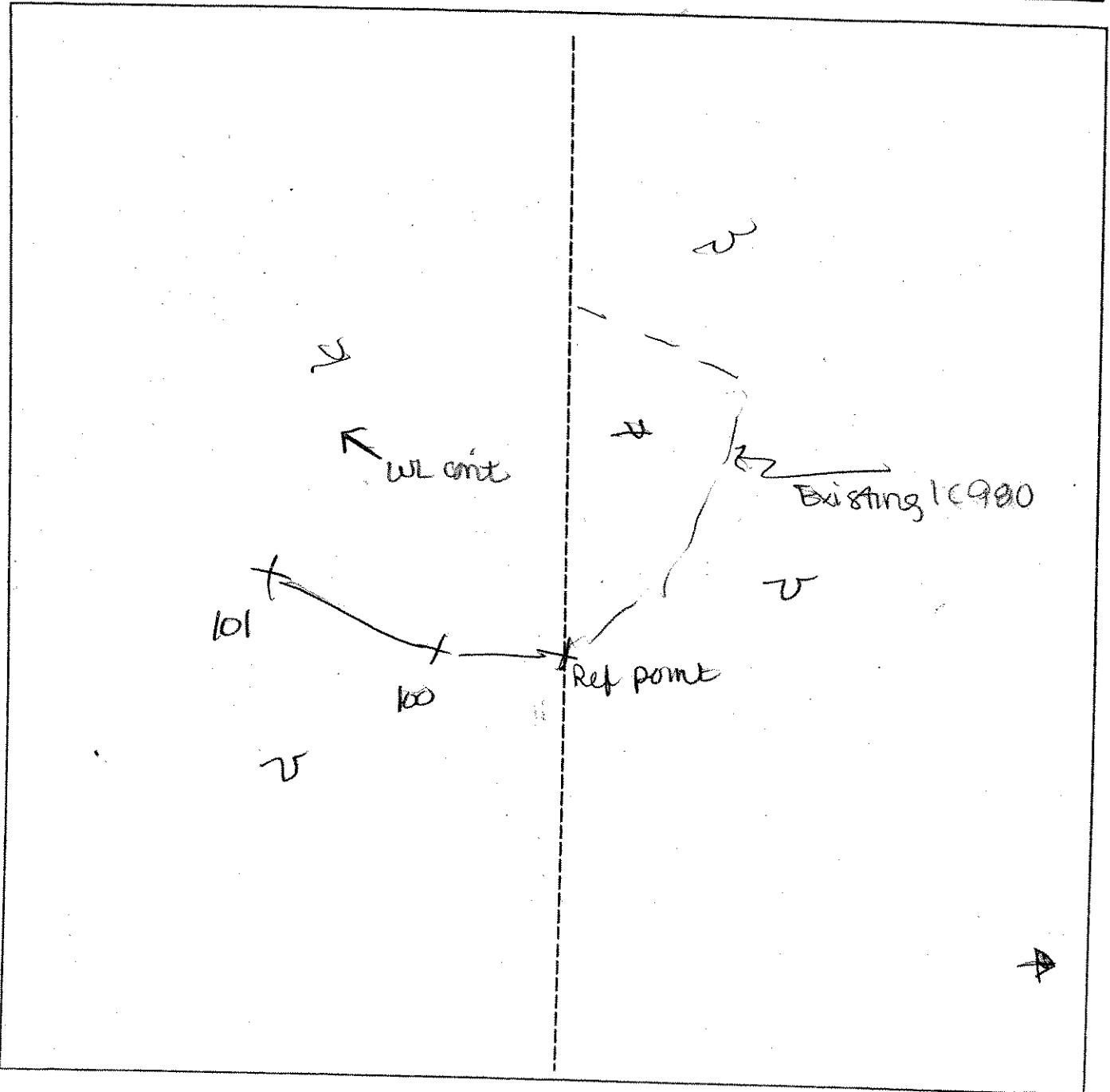
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: 109805 A EXT		Date: 5/10/07	Time:
Initials of Delineators: JV AP		Location: T. 130	
Roll #:	Frames:		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

LIVE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/6/07</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: <u>PEM</u> Transect ID: Plot ID: <u>1C980AB-SSI</u>							

**VEGETATION**

Plant Community Classification: <u>Emergent</u>					
Percent Canopy Cover: Tree: <u>&lt;5</u> Shrub: <u>&lt;5</u> Herb: <u>75</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Hypha lutea</u>	<u>H</u>	<u>OBL</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>10%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>1"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Wetland is located between UBL to NE + SW. Upland areas are sloped toward WL and discharge surface and groundwater.</u>	

Date: 5/6/07  
 Community ID:  
 Plot ID: 10980 AB  
 851

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/2			SILT
4-9	A	10YR 2/1			SILT
9-14	B	6.5Y 1 5/10Y			DRY SAND
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: Photo 8 = NE DEC wetland Lots of bird chatter			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/6/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>10980 AB 552</u>

EXT

**VEGETATION**

Plant Community Classification: <u>Early Successional Woods</u>					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Fagus grandifolia</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Phantherium canadensis</u>	<u>H</u>	<u>FAC -</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&lt;50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <u>Upland area slopes into wet to SE</u>	

Date: 5/6/07  
 Community ID: UPL  
 Plot ID: 10980 AB S52

**SOILS**

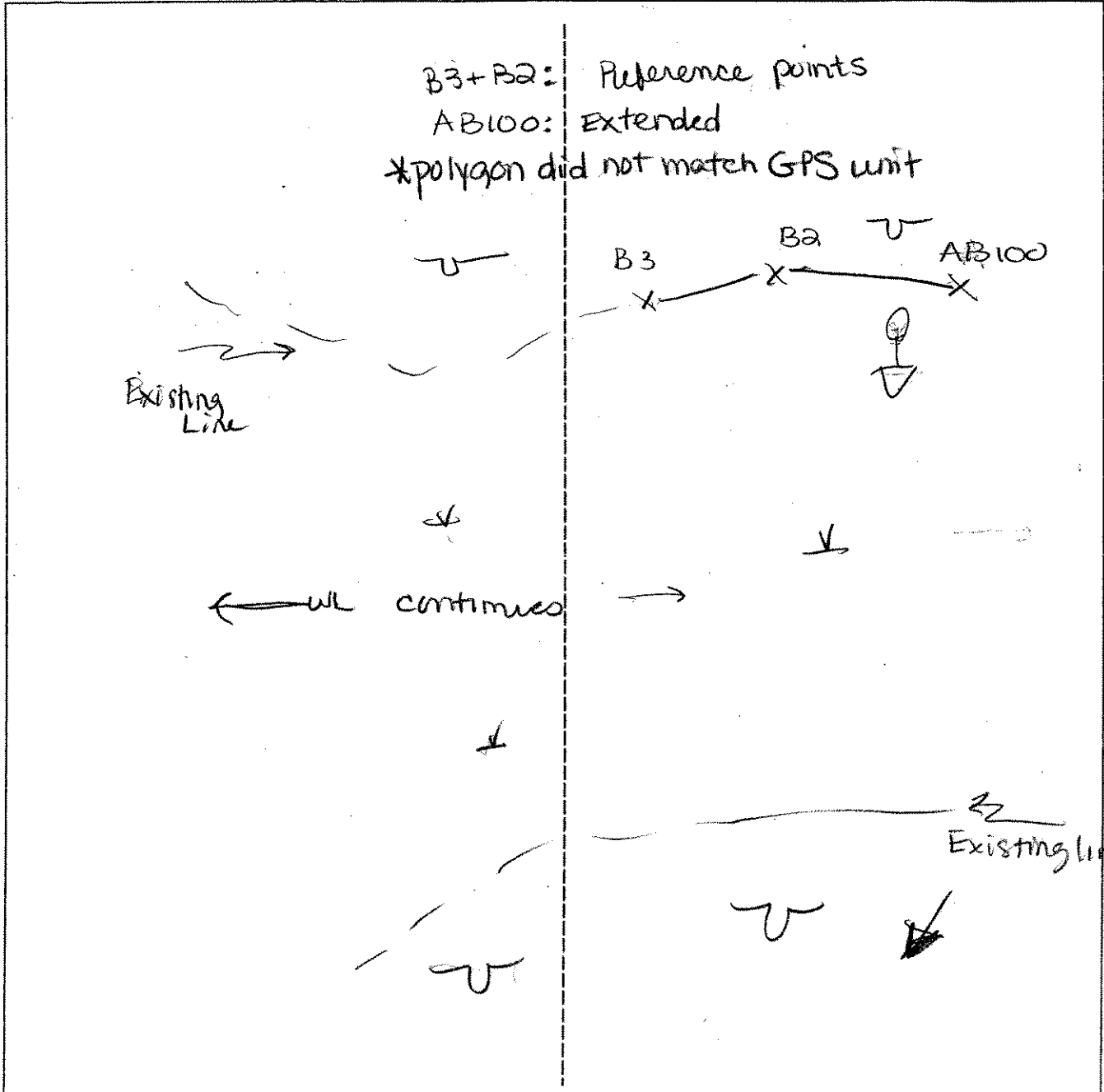
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations/ Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/3			Organics
2-8	A	10YR 2/1	7.5YR 4/2	Common/med/Distinct	Silty clay
8-12	B	7.5YR 2.5/2			Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: 1C980 AB EXT	Date: 5/6/07	Time:
Initials of Delineators: JV AP	Location:	
Roll #: 0 => NW	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM SC TV	Date: 8-15-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: IC981A-SSI

**VEGETATION**

Plant Community Classification: PFO1					
Percent Canopy Cover:		Tree: 60	Shrub: 20	Herb: 80	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Yellow Birch	T	FAC	9.		
2. Red Maple	T	FAC	10.		
3. Red Maple	S	FAC	11.		
→ 4. Spinulose Woodfern	H	FAC+	12.		
5. Hayscented Fern	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100 %					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPO / DEL <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 1" Depth to Saturated Soil (in.): 0	
Remarks: Wetland includes areas of inundation and observed free standing water 3/20 up to 4" + within a possible man-made snowmobile trail.	



Date: 8-15-06  
 Community ID: PFO1  
 Plot ID: IC981A-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O-A	10YR 3/1	-	-	fine sandy silt horn

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Refusal at 6". Shallow organic soils atop bedrock throughout area. Organics include peat w/ roots.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks: Photo points 50005, 50006 SW W

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SM SC JV</u>	Date: <u>8-15-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>IC981A-SS2</u>

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Fagus grandifolia</i>	T	FACU	9.			
2. <i>Acer saccharum</i>	T	FACU	10.			
3. <i>F. grandifolia</i>	S	FACU	11.			
4. <i>Dennstaedia</i> sp.	H	NI	12.			
5. <i>Pteridium aquilinum</i>	H	FACU	13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/5 or better</u>						
Remarks: <u>#4 - hay-scented fern</u>						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC &amp; TOPOS</u> <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>—</u>  Depth to Free Standing Water in Pit (in.): <u>—</u>  Depth to Saturated Soil (in.): <u>0'</u>	
Remarks:	

Date: 8/15/06  
 Community ID:  
 Plot ID: 1C981A 552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: *Forested Upland*

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	D				Duff, decaying plant
2-6	A	10YR 4/2	10YR 3/3	Common, Med, prominent	fine sandy silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Refusal @ 6"*

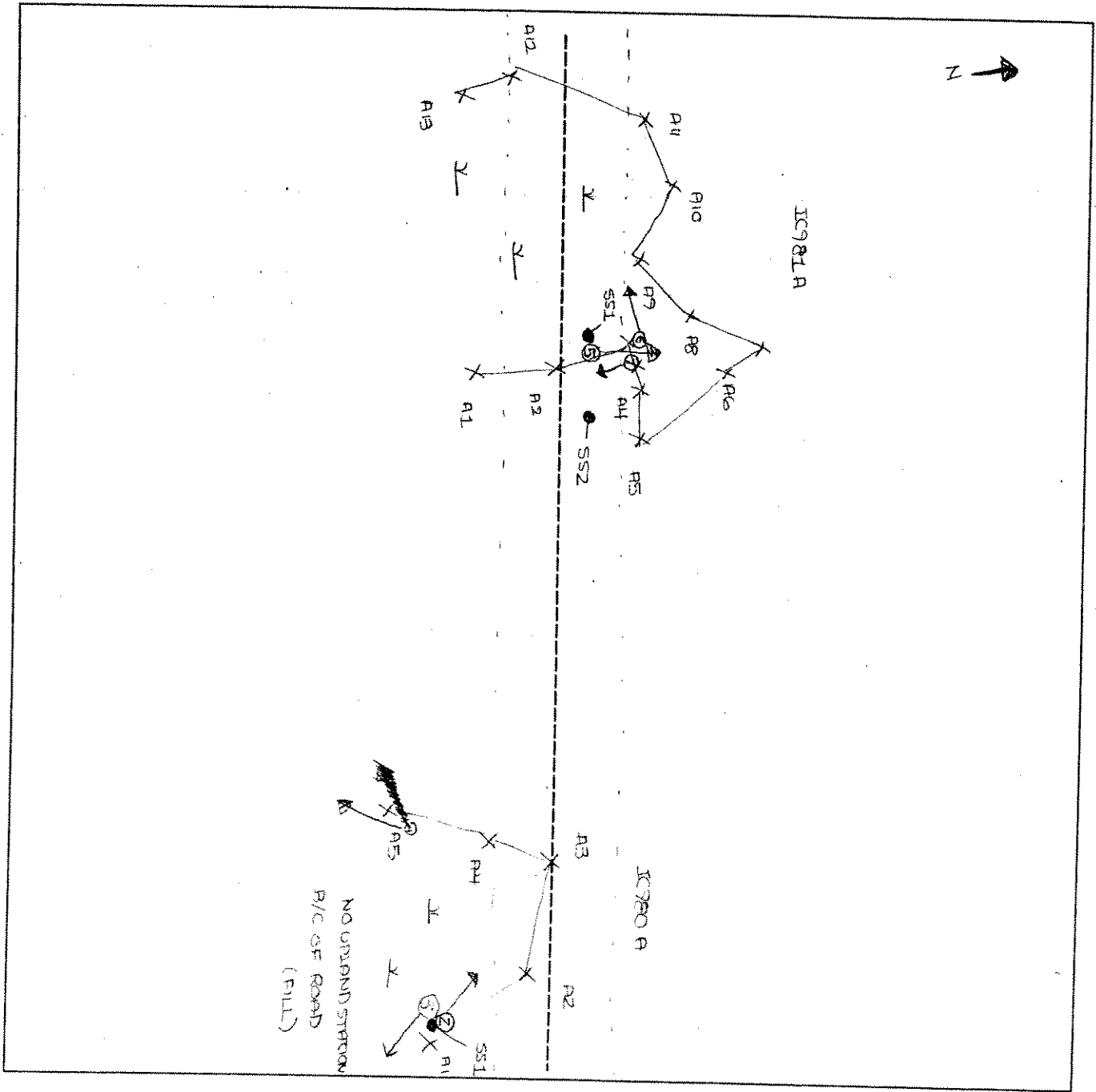
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks *Plant composition changes from Fagus / A. saccharum to A. rubrum; more ferns w/ vigorous growth in wet versus drier, more upland ferns in upland.*  
*Photo P08150009 to S*

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC980 / IC981	<b>Date:</b> 8/15/06
<b>Initials of Delineators:</b> SM / JV / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO ⑤ - NNE    ⑥ - W    ⑦ - S ② - NW    ③ - SE    ④ - SW	



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 8/15/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC983A-SS1

**VEGETATION**

Plant Community Classification: PFD1 / <u>P2EM</u>					
Percent Canopy Cover: Tree: 60 Shrub: 15 Herb: 90 Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9. Sphagnum	H	RBL
2. Betula populifolia	S	FAC			
3. Viburnum lentago	S	FAC			
4. P. saccharum	S	FACU			
5. Unknown grass	H	-			
6. V. lentago	H	FAC			
7. Vaccinium (sp.)	H				
8. Cornus canadensis	H	FAC-			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: #5 Common in wetlands #9 More than 20% abundant P2EM beyond 30' mixed w/ grass, open. P2O					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs <input checked="" type="checkbox"/> Other TPO & DEC ___ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): -  Depth to Free Standing Water in Pit (in.): 0"  Depth to Saturated Soil (in.): 0"	
Remarks: Standing water in low spots (Photo P08150D10 to N)	

Date: 8/15/06  
 Community ID:  
 Plot ID: 1C 983A - SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	D				Peat
3-6	A	10YR5/1	-		Coarse sandy loam
6-9	B	2.5Y 5/3	-		Coarse sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No	
Wetlands Hydrology Present?	Yes	No			Yes	No
Hydric Soils Present?	Yes	No				

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV/SM	Date: 8/15/04 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: VC983A-SS2

**VEGETATION**

Plant Community Classification: Poplar-Maple Woods					
Percent Canopy Cover: Tree: 70 Shrub: 40 Herb: 65 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus grandidentata</i>	T	FACU-	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>P. grandidentata</i>	S	FACU-	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>Viburnum lantago</i>	S	FAC	13.		
6. <i>A. rubrum</i>	H	FAC	14.		
7. <i>Pteridium aquilinum</i>	H	FACU	15.		
8. <i>Maianthemum canadensis</i>	H	FAC-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/8 = 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + TOPO <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): -  Depth to Free Standing Water in Pit (in.): -  Depth to Saturated Soil (in.): > 14"	
Remarks: Soils dry barely hold together at near ~ 14" (photo SS2 - P08150011 to S)	

8/15/06  
 Date: IC 983 A SS 2  
 Community ID:  
 Plot ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	D	10R 3/6			Decayed plant matter
4-7	E	10YR 6/2	-		
7-14	B	10YR 3/2	-		

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks: *Revised @ 11/06*

**WETLAND DETERMINATION**

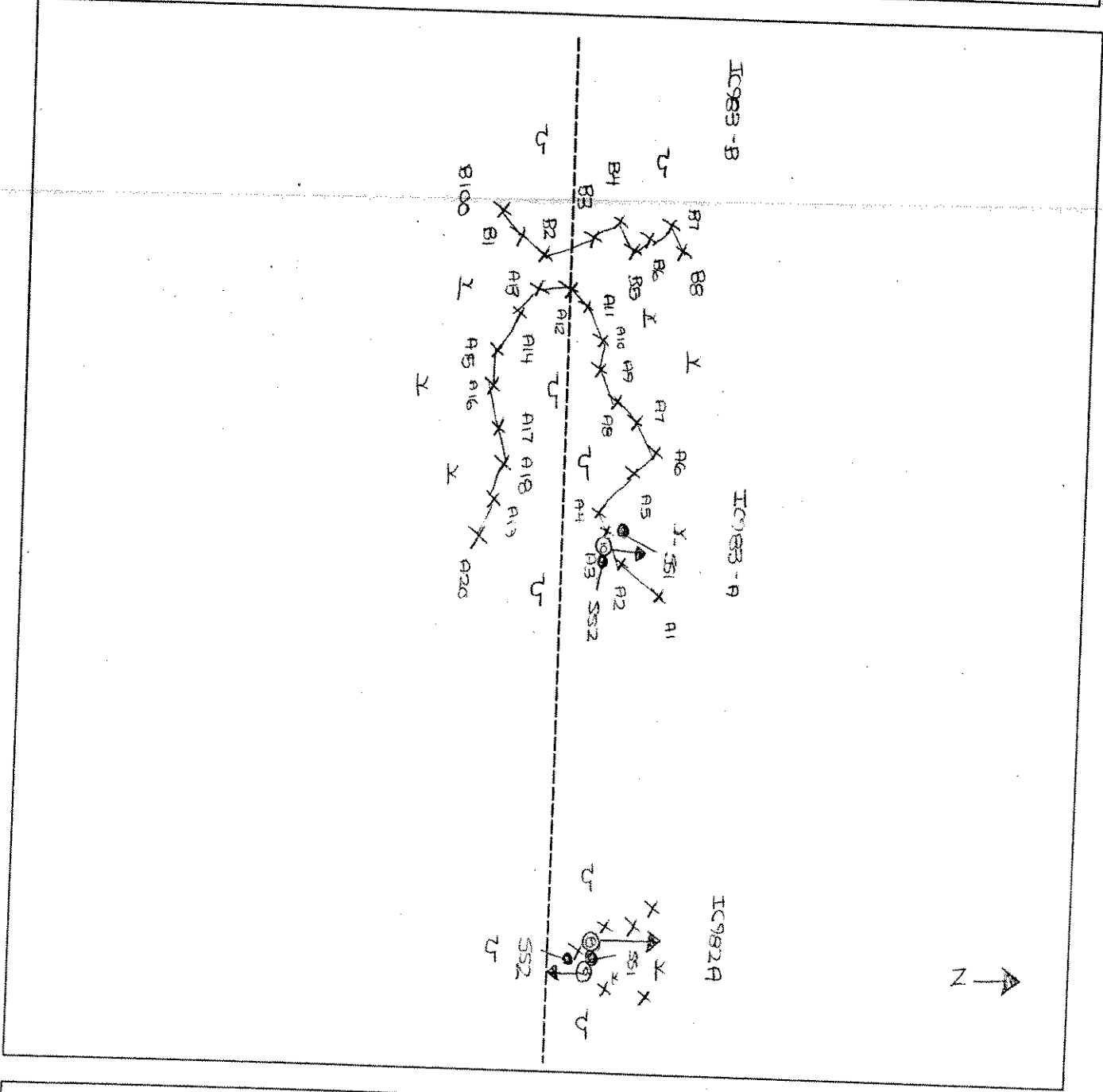
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> IC982A / IC983A+B	<b>Date:</b> 8/15/06	<b>Time:</b>
<b>Initials of Delineators:</b> SM / JV / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b>		
<b>Frames:</b> PH008 (8) FACING NORTH PH009 (9) FACING SOUTH PH010 (10) FACING NORTH		











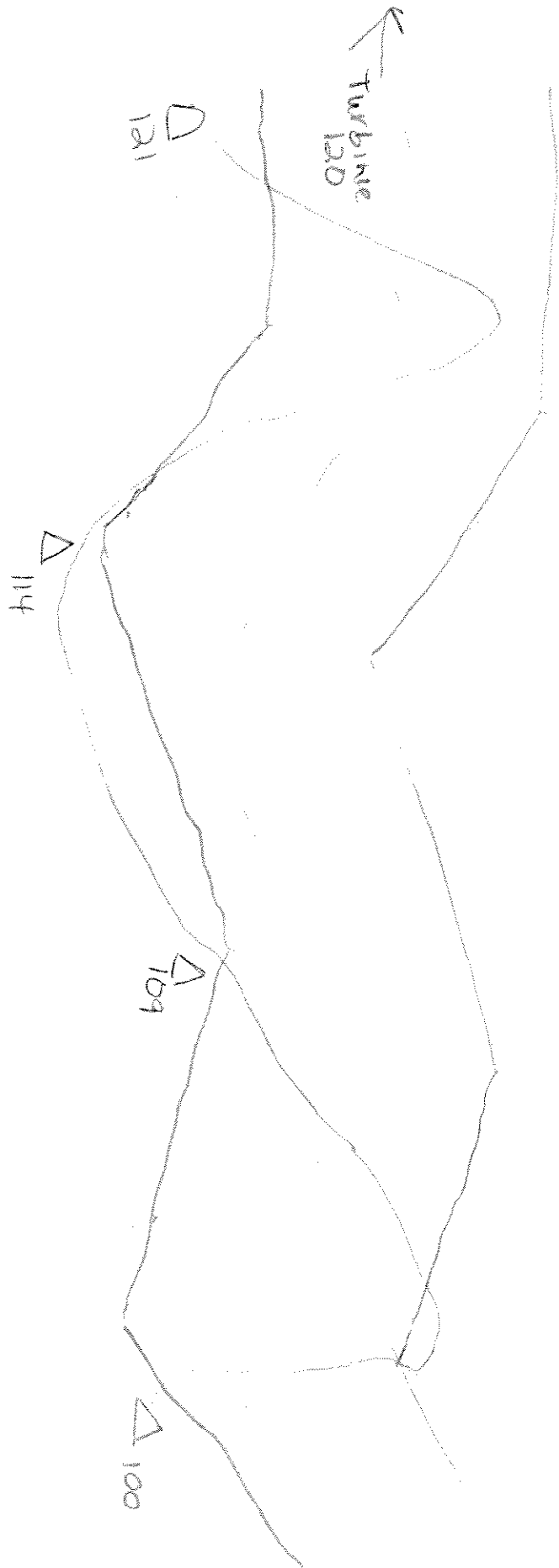
<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <i>IC983B extended</i>	Date: <i>8.16.06</i>	Time:
Initials of Delineators: <i>SM SC JV</i>	Location: <i>IC to turbine 120</i>	
Roll #:	Frames:	

	<p><i>Refer to sketch IC983B dated 8.16.06 for complete line.</i></p> <p><u><i>SEE BACK</i></u></p>
--	---

<u>Legend</u>	
 Photo Location/Direction	 Wetland
 Sample Station	 Upland
 Centerline	 Stream
 Flag	 Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJD SC</i>	Date: <i>7/12/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>WETLAND</i> Transect ID: <i>IC1005A</i> Plot ID: <i>551</i>							

**VEGETATION** *PFO*

Plant Community Classification:  
Percent Canopy Cover: Tree: *70%* Shrub: *5%* Herb: *60%* Vine: *Ø*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED MAPLE</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>GRAY BIRCH</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>YELLOW BIRCH</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>CORYX intumescens</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>J. EFFUSUS</i>	<i>H</i>	<i>FACW+</i>	13.		
6. <i>WASSER PEARL</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Club moss</i>	<i>H</i>	<i>FAC</i>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>Ø"</i>	Remarks: <i>Barberry</i>
Remarks: <i>Photo 1 =&gt; NE for IC1005A-5</i>	

Date: 7/12/06  
 Community ID: WETLANDS  
 Plot ID: IC1005A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR2/1	-	-	Silty CLAY / 12AN
12-18	B	10YR2.5/3	10YR2.4/6	Few / med / faint	SANDY CLAY / 12AN

**Hydro Soil Indicators**

- |   |  |
|---|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input checked="" type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|---|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>R.D. Sc</u>	Date: <u>7/12/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>IC1005A</u> Plot ID: <u>552</u>

**VEGETATION** upland decid forest

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>85%</u> Shrub: <u>10%</u> Herb: <u>65%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/K/H</u>	<u>FAC</u>	9.		
2. <u>American beech</u>	<u>S</u>	<u>FACU</u>	10.		
3. <u>Striped maple</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>White Birch</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Black Birch</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>White Birch</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Canada Lily</u>	<u>H</u>	<u>FAC</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 7/12/06  
 Community ID: Upland  
 Plot ID: IC1005A-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	Silt loam
6-18	B	10YR 4/3	—	—	Silt, Clay loam

- Hydro Soil Indicators
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: \_\_\_\_\_

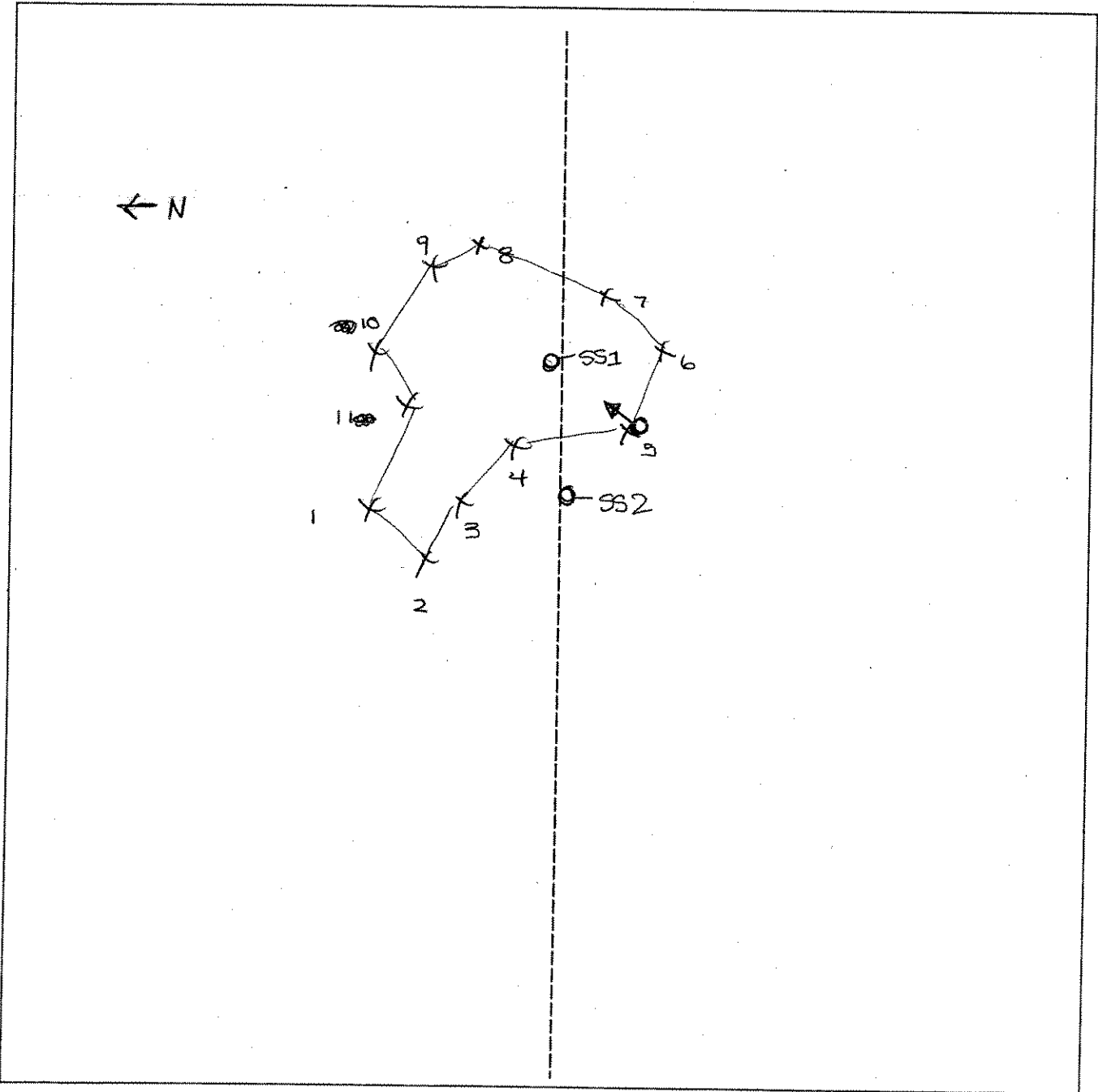
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks \_\_\_\_\_

### SKETCH FORM

<b>Wetland ID/Route #:</b> ICI005A	<b>Date:</b> 7/12/2006 <b>Time:</b>
<b>Intials of Delineators:</b>	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b>	<b>Frames:</b> PHOTO 1 FACING NORTH <del>WEST</del> EAST AT POINT 5



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RA, SE</i>	Date: <i>7/12/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>WERAD</i> Transect ID: <i>IC1006A-551</i> Plot ID:							

**VEGETATION** *Pearl / 1250*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *40%* Shrub: *20%* Herb: *100%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Lion Tail</i>	<i>H</i>	<i>FACU</i>	<i>9. Service berry</i>	<i>S</i>	<i>FAC</i>
<i>2. Sensitive fern</i>	<i>H</i>	<i>FACW</i>	<i>10. meadow grass</i>	<i>S</i>	<i>FAC+</i>
<i>3. Blue lily</i>	<i>H</i>	<i>FACW</i>	<i>11. bin Ash</i>	<i>T</i>	<i>FACW</i>
<i>4. Rattle snake grass</i>	<i>H</i>	<i>OBL</i>	<i>12.</i>		
<i>5. Carex intumescens</i>	<i>H</i>	<i>FACW+</i>	<i>13.</i>		
<i>6. Carex scariosa</i>	<i>H</i>	<i>FACW</i>	<i>14.</i>		
<i>7. Box elder</i>	<i>S</i>		<i>15.</i>		
<i>8. Dogwood</i>	<i>T</i>	<i>FACW-</i>	<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Hydro for Sat</i> <i>noted on bank but "washed" out Area</i> <i>upto 3' wide</i>	

*Photo 2 -> N for Sat of IC1006A-3,  
 Photo 3 -> S AT IC1006A AT IC1006A-5T*

Date: 7/12/06  
 Community ID: WETLANDS  
 Plot ID: JC1006A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-18	A	10.5R2/1	—	—	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJ SE</i>	Date: <i>7/12/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
	Community ID: <i>UPLAND</i> Transect ID: <i>2C 1006A</i> Plot ID: <i>552</i>						

**VEGETATION** *UPLAND* *Acid Forest*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>85</i>	Shrub: <i>30%</i>	Herb: <i>15%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Sugar maple</i>	<i>T/S/H</i>	<i>FACU-</i>	<i>9.</i>		
<i>2. Ash</i>	<i>S/H</i>	<i>FACU</i>	<i>10.</i>		
<i>3. Blackberry</i>	<i>H</i>		<i>11.</i>		
<i>4. Woodpecker</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Serviceberry</i>	<i>S</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Canada Goldenrod</i>	<i>H</i>	<i>FACU-</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 7/12/06  
 Community ID: upland  
 Plot ID: J1006A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR2/1	—	—	Silt loam clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Presence of Arge at 6"  
 Very rocky

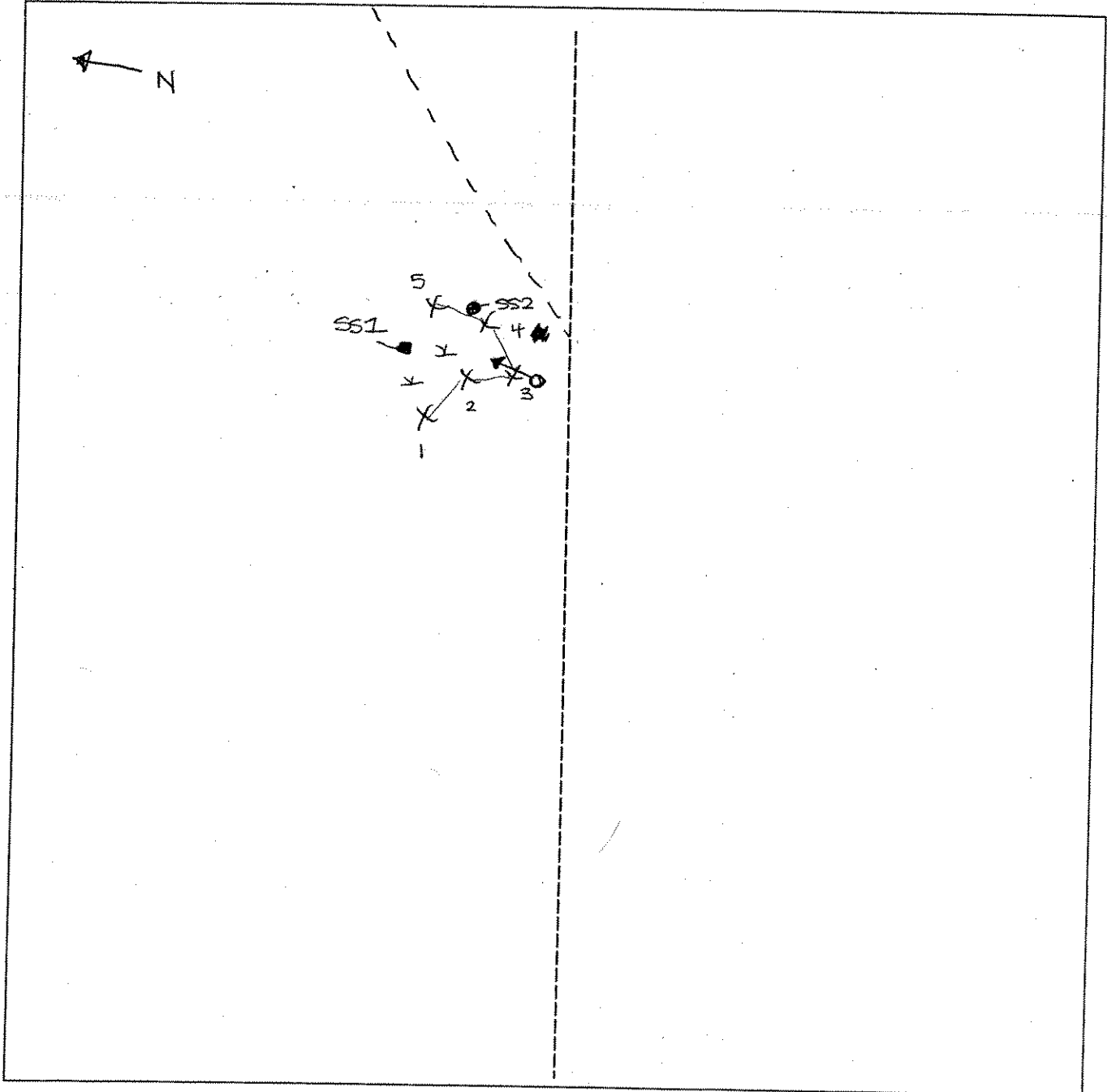
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**SKETCH FORM**

Wetland ID/Route #: IC1006A	Date: 7/12/2006	Time:
Initials of Delineators: RD / SC	Location: HARDLERIVER	
Roll #:	Frames: PHOTO 2 FACING N 3	

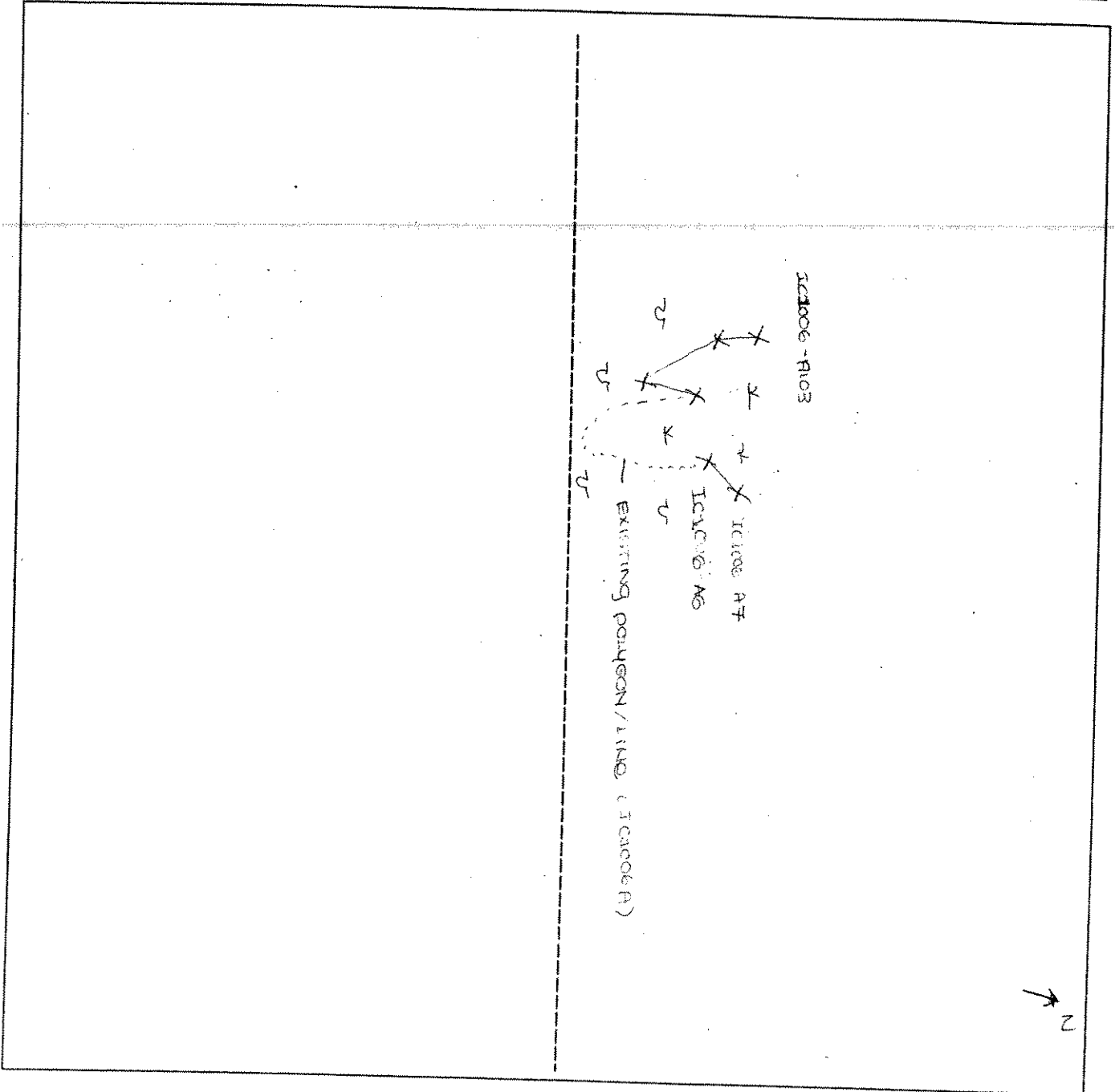


<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Line extension

SKETCH FORM

Wetland ID/Route #: IC1006A (LINE EXTENSION)	Date: 8/18/00	Time:
Intials of Delineators: JY / SM / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV RD	Date: 5/2/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: 101006-A 551

**VEGETATION**

Plant Community Classification: <u>Deciduous</u> Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>40</u> Herb: <u>15</u> Vine: <u>X</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Fraxinifolium SP</u>	<u>M</u>	<u>-</u>	13.		
6. <u>Festuca moss</u>	<u>M</u>	<u>-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in Spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>~.5" in spots</u>  Depth to Free Standing Water in Pit (in.): <u>1.5"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Buttress trees</u>	





**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/2/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: 1C1006 A-552							

**VEGETATION**

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>30</u> Herb: <u>15</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fagus sylvatica</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Prunus serotina</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Tamulus</u>	<u>H</u>	<u>FAC</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>56%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/2/07  
 Community ID:  
 Plot ID: 1000A-552

**SOILS**

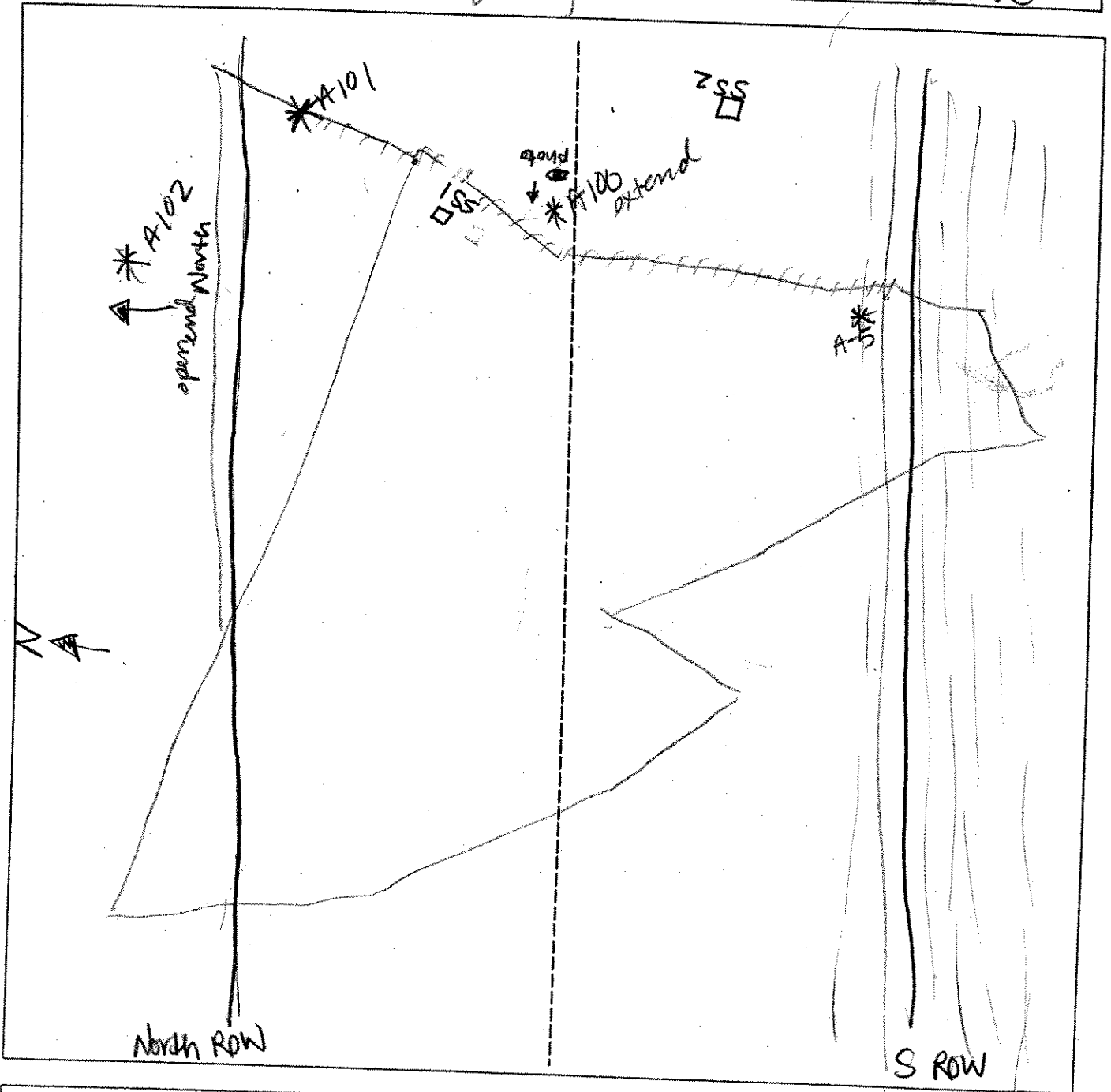
Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal @ 15"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Wetlands Hydrology Present? Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks		

SKETCH FORM

Wetland ID/Route #: 1C1006A EXT		Date: 2 May 07	Time:
Initials of Delineators: JV AP		Location: 1C1006A	
Roll #:	Frames: photo 2 - facing West toward A100 Extend		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>TRD, SC</i>	Date: <i>7/12/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: Plot ID: <i>IC1007A</i> <div style="text-align: right;"><i>SSI</i></div>

**VEGETATION** *PFO WETLAND*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>85%</i>	Shrub: <i>15%</i>	Herb: <i>10%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Sugar maple</i>	<i>T</i>	<i>FACU-</i>	11.		
4. <i>American Elm</i>	<i>T</i>	<i>FACW-</i>	12.		
5. <i>Red Ash</i>	<i>T/S</i>	<i>FACW</i>	13.		
6. <i>White Birch</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>N/A</i>  Depth to Free Standing Water in Pit (in.): <i>N/A</i>  Depth to Saturated Soil (in.): <i>0"</i>	Remarks:  <div style="text-align: center; font-size: 1.2em;"><i>Screening</i></div>

Date: 7/12/06  
 Community ID: WETLANDS  
 Plot ID: IC1007A-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	Silt loam w/organics
6-12	B	10YR 5/3	10YR 3/6	(brown/mottled) / d/s	Sandy Clay w/iron

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>R.D. SC</u>	Date: <u>7/12/86</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>Upland</u> Transect ID: <u>IC1057A</u> Plot ID: <u>552</u>							

**VEGETATION** Upland Decid Forest

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>90%</u> Shrub: <u>10%</u> Herb: <u>10%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar maple	T/S/H	FACU-	9.		
2. Gray Birch	T	FAC	10.		
3. White Birch	H	FAC	11.		
4. Club moss	H	FAC	12.		
5. White Wood Aster	H	UOL*	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	
Remarks:	

Date: 7/12/06  
 Community ID: UPLAND  
 Plot ID: JC1007A-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/2	—	—	Silt loam
10-18	B	10YR 3/3	→ 4/3	—	Silty clay loam

- Hydro Soil Indicators
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

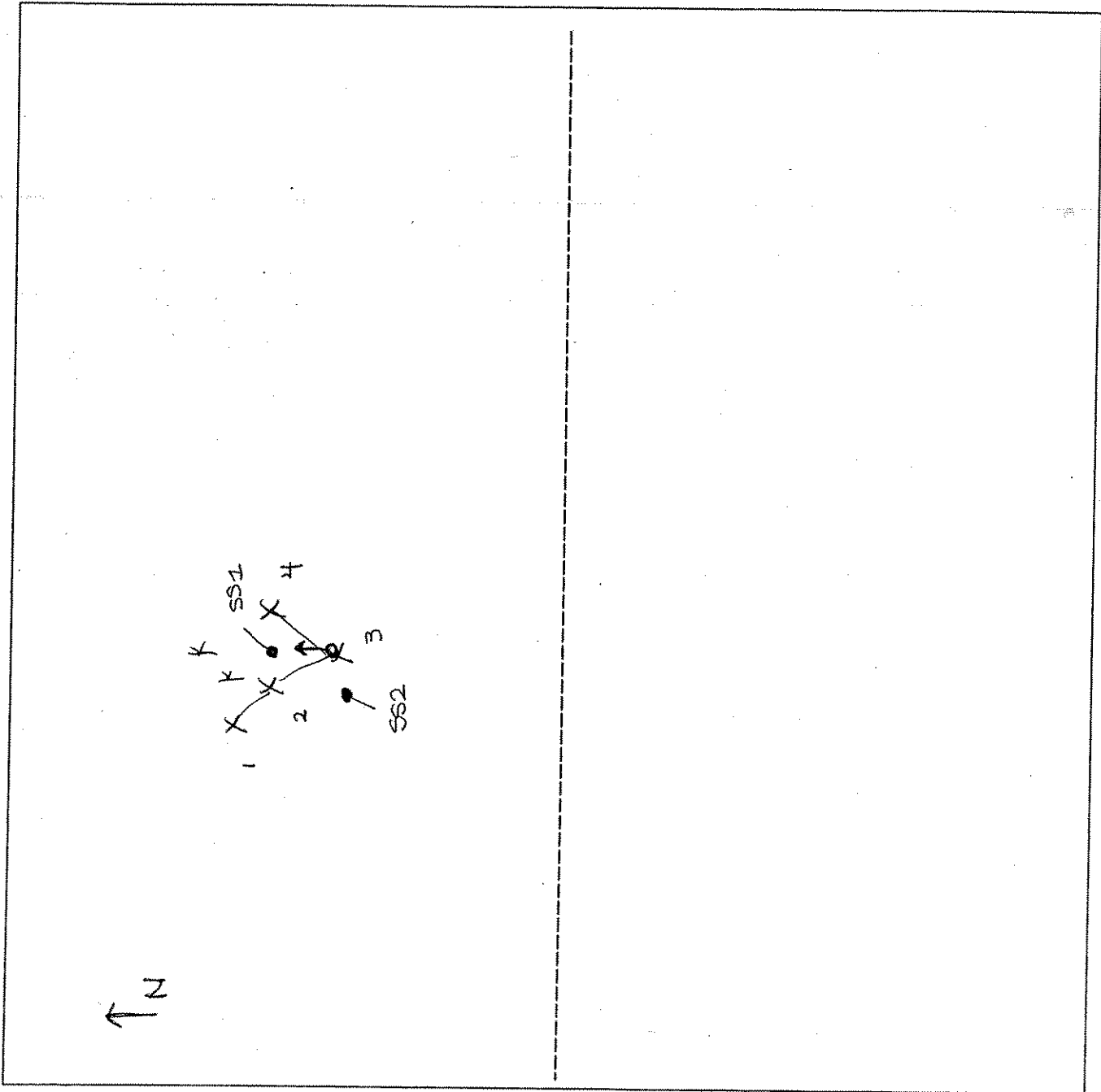
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

SKETCH FORM

Wetland ID/Route #: IC1007A	Date: 7/12/06	Time:
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #: Frames: PHOTO 5 FACING N		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/3/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PFO1</u> Transect ID: Plot ID: <u>1C1007-A-SS1</u>

**VEGETATION**

Plant Community Classification: <u>Red Maple Mesic</u>					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>15</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Petula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Trout lily</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>mass sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Sphagnum mass &lt;50%</u>	<u>H</u>	<u>OBL</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>&lt; 1" in spots</u>  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Butressed trees w/ moss around base photo 1 c</u>	

Date: 5/3/07  
 Community ID: PFO1  
 Plot ID: 1C1607 A SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	Structure, etc.
0-2	A	10YR 2/1			Fine Sandy silt loam
2-12	B	10YR 4/2	7.5YR 4/6	Few/Fine/Distinct	Fine Sandy silt loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                       | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                  | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime          | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors    | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal c 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: photo 2 => N  
 audio of <sup>(2)</sup> woodpecker to East communicating

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 1C1007 A-552

**VEGETATION**

EXT

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>20</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acerrubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Fagus grandifolia</u>	<u>S</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>&lt;50%</u>					
Remarks: <u>Hamamelis virginiana FAC - } Observed outside plot</u> <u>Prunus serotina FACU</u> <u>Picea rubens FACU</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>NA</u>  Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

Date: 5/3/07  
 Community ID: UPL  
 Plot ID: 101007 A 552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/1			Fine Sandy silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

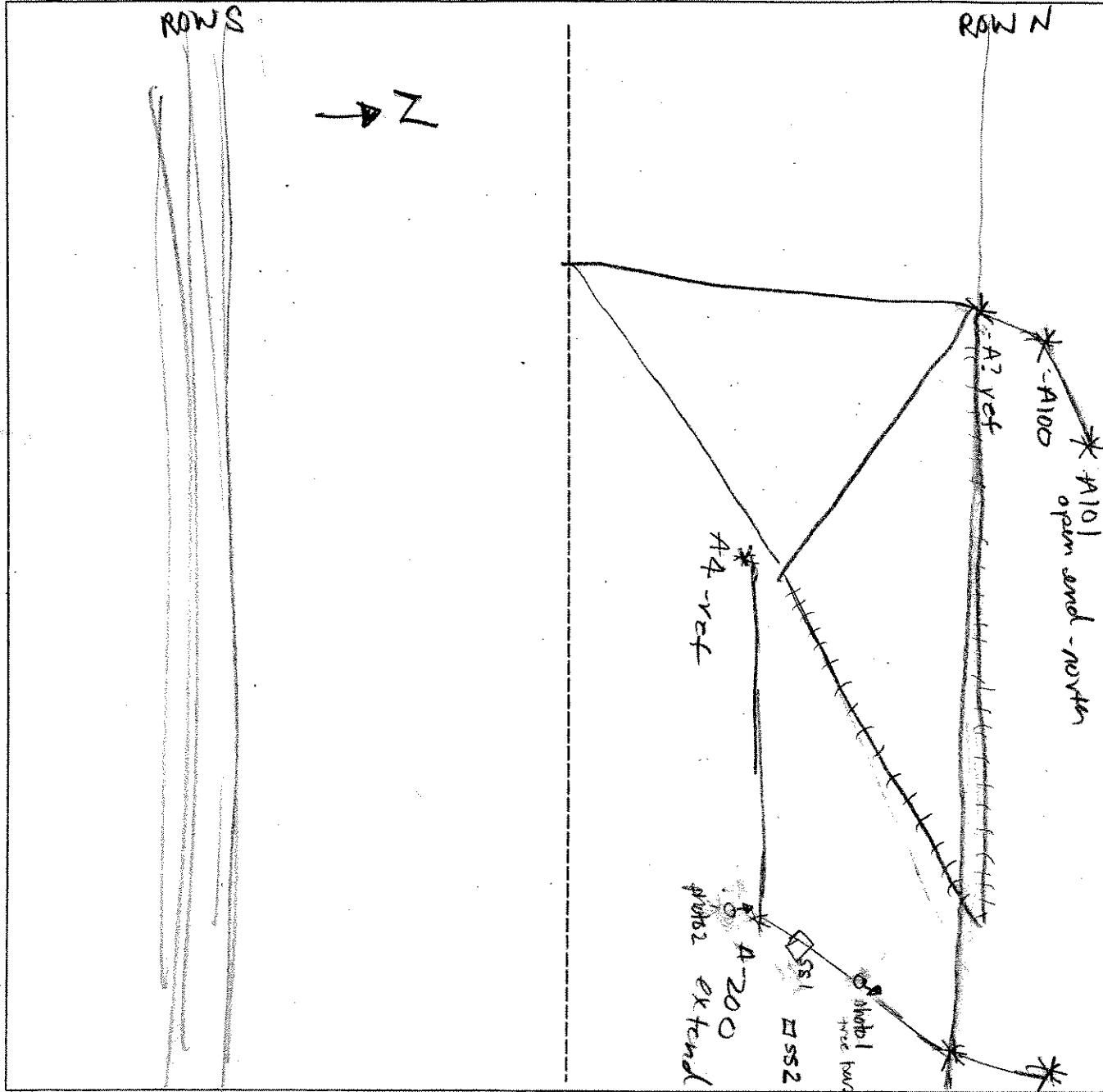
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks: 2 woodpecker to East communicating

SKETCH FORM

Wetland ID/Route #: <u>IC1007A EXT</u>	Date: <u>3 May 07</u>	Time:
Initials of Delineators: <u>JN: AP</u>	Location: <u>IC1007A</u>	
Roll #: _____	Frames: <u>photo 1 of tree base, photo 2 by A200 extend facing north</u>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>TRD SC</u>	Date: <u>7/13/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> No Is the area a potential Problem Area? <u>Yes</u> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>1C1010A</u> Plot ID: <u>Wetland</u>

**VEGETATION** PFO Decid

Plant Community Classification:  
Percent Canopy Cover: Tree: 70% Shrub: 4% Herb: 80% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T1S</u>	<u>FAC</u>	9.		
2. <u>Sphagnum moss</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>Whitell wood Anter</u>	<u>H</u>	<u>UPL*</u>	11.		
4. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>meadow Sweet</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Interpoked fern</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Service berry</u>	<u>S</u>	<u>FAC</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: more poor to Satru

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>14-16"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Hydro blue for S to North</u> <u>Photo 9 SWE at SS1</u>	

Date: 7/13/06  
 Community ID: WERAN  
 Plot ID: IC1010A-SSI

**SOILS**

Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	—	—	—	ORGANIC PEAT/SPHM
2-4	A	10YR 2/1	—	—	SiH look w/organics
4-10	B <sub>1</sub>	10YR 5/2	—	—	Silt, clay → clay
10-B	B <sub>2</sub>	7.5YR 5/1	10YR 5/6	Coarse / mm / Dist	Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
WETLANDS TERMINATES to NORTH of ACCESS RD & CONTINUES to south			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA SC</i>	Date: <i>7/13/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLAND</i> Transect ID: <i>IC1010A</i> Plot ID: <i>SS2</i>							

**VEGETATION** *UPLAND Deciduous Forest w/ scattered Conifers*

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: *85%* Shrub: *20%* Herb: *75%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Amer Beech	<i>T/S</i>	<i>FACU</i>	9.		
2. Red maple	<i>T/S</i>	<i>FAC</i>	10.		
3. Braaker fern	<i>H</i>	<i>FACU</i>	11.		
4. Woods fern	<i>H</i>	<i>FAC+</i>	12.		
5. CANADA Yilly	<i>H</i>	<i>FAC-</i>	13.		
6. Club moss	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: *SCATTERED Balsam fir T/S*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	



Date: 7/13/06  
 Community ID: UPLAND  
 Plot ID:

IC 1010 A-SSQ

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/3	—	—	Silt loam
6-18	B	5YR 4/4	—	—	Silty clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

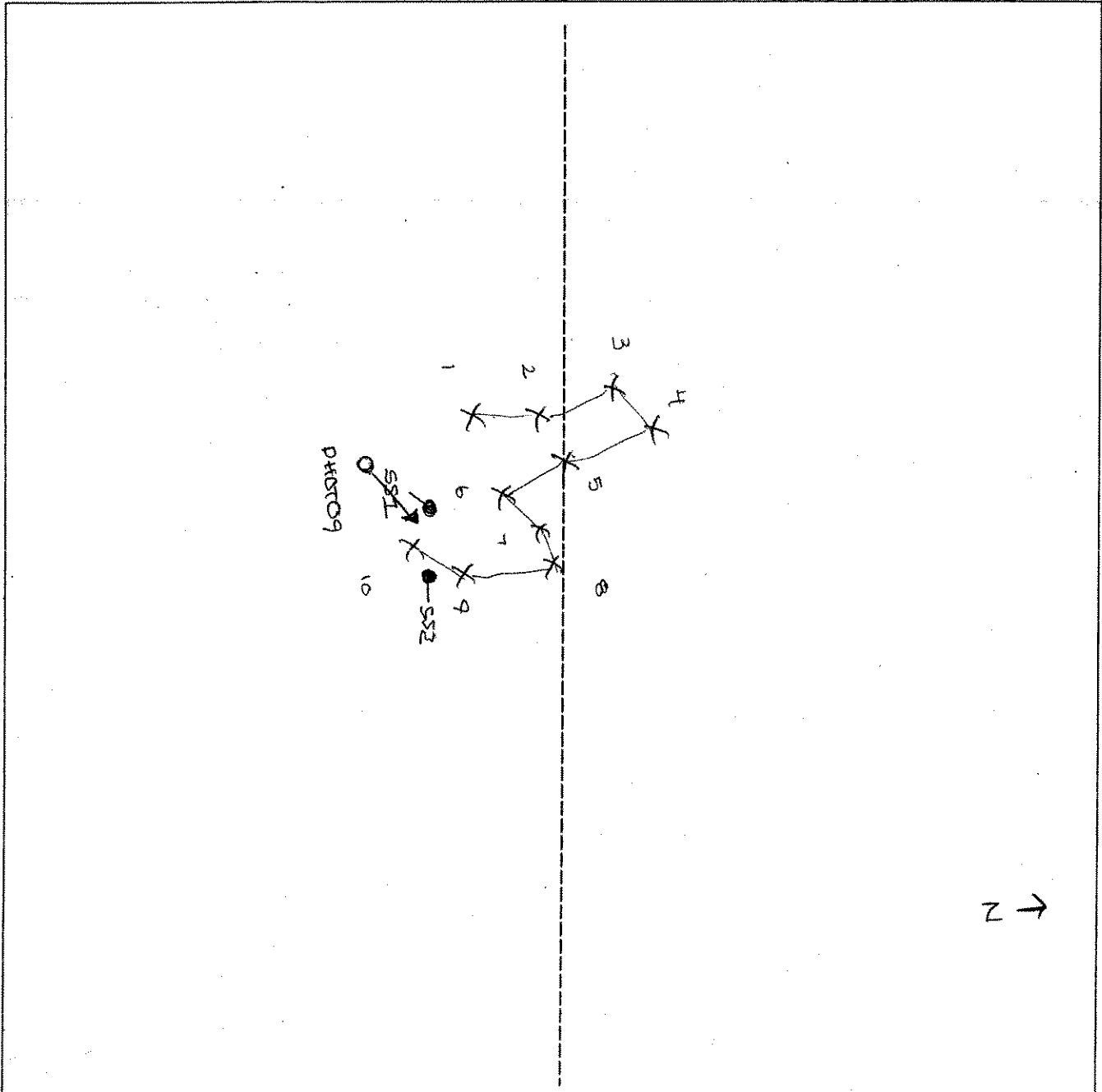
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

SKETCH FORM

Wetland ID/Route #: IC1010A	Date: 7/13/06	Time:
Initials of Delineators: RD / SC	Location: HARDY RIVER	
Roll #: Frames: PHOTO 9 FACING NE		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO 1 Transect ID: Plot ID: 1C1010 A SSI

**VEGETATION**

Plant Community Classification: <i>Red maple mesic</i>					
Percent Canopy Cover: Tree: 70 Shrub: 40 Herb: 85 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. acerubrum</i>	T	FAC	9.		
2. <i>B. populifolia</i>	T	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): < 1" in spots Depth to Free Standing Water in Pit (in.): 11" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/3/07  
 Community ID: PFO1  
 Plot ID: 1C1010 A SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1			Organics
4-10	A	10YR 5/2			Sandy clay loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal 210"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Photo 5 => N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: IC1010 A 882

**VEGETATION**

EXT

Plant Community Classification: <u>Early Successional Forest</u>					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>55</u> Herb: <u>60</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>F. grandifolia</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Viburnum L. 1000</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Lycopodium obscurum</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Athyrium filix femina</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Erythronium americanum</u>	<u>H</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/3/07  
 Community ID: MPL  
 Plot ID: IC1010 A552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			Organics
2-6	A	10YR 2/1	10YR 5/3	Few Fine distinct	fine sandy loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal @ 6" - very rocky

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

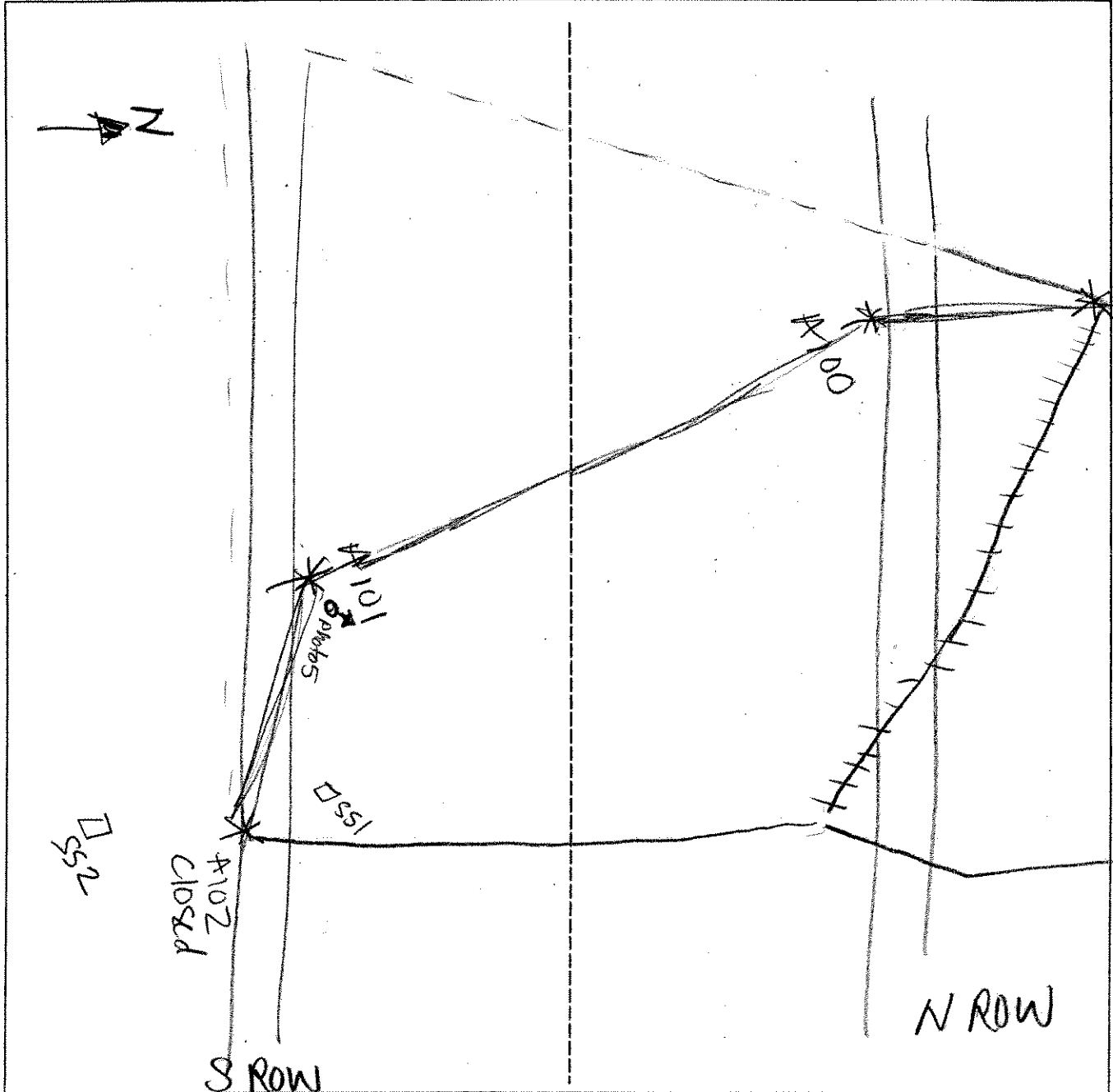
Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: 1C1010-A EXTENSION	Date: 3 May 07	Time:
Initials of Delineators: JV-AD	Location: 1C1010A	
Roll #:	Frames: photos by A101 facing NE	



Legend			
○ ↗	Photo Location/Direction	✕	Wetland
□	Sample Station	U	Upland
---	Centerline	—	Stream
▽	Flag	- - -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>MARBLE RIVER LAND FARM</i> Applicant/Owner: <i>MARBLE RIVER LLC</i> Investigator: <i>WDD, SC</i>	Date: <i>7/17/06</i> County: <i>Clinton</i> State: <i>NC</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>IC1014A</i> Plot ID: <i>SS1</i>

**VEGETATION**

*PSS Alder thicket*

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: *0* Shrub: *5709* Herb: *9590* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sorrel Alder</i>	<i>S</i>		9.		
2. <i>Grayherb</i>	<i>S</i>		10.		
3. <i>Marble Top Goldenrod</i>	<i>H</i>		11.		
4. <i>Starlike Fern</i>	<i>H</i>		12.		
5. <i>Jewelweed</i>	<i>H</i>		13.		
6. <i>BLACKBERRY</i>	<i>S</i>		14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_  
Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>712"</i>	
Remarks:	<i>Associated w/ periodic stream</i>



Date: 7/17/06  
 Community ID: WERNAD  
 Plot ID: ZC1014A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—		Silt loam
6-12	D	10YR 3/2	10YR 4/4	50/50 mix	Silty clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Reversal of Ager at 12"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARTIC RIVER WIND FARM</u> Applicant/Owner: <u>MARTIC RIVER, LLC</u> Investigator: <u>RTS, SC</u>	Date: <u>7/17/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Uplands</u> Transect ID: <u>IC1014A</u> Plot ID: <u>552</u>

**VEGETATION** Open Dry Succorid

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 590 Shrub: 3590 Herb: 10090 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>ALLEGHANY/HB BLACKBERRY</u>	<u>H/S</u>				
2. <u>GIANT BLUEBERRY</u>	<u>H</u>				
3. <u>GRASS SP</u>	<u>H</u>				
4. <u>RUB</u>	<u>H</u>				
5. <u>Box ELDER</u>	<u>T</u>				
6. <u>cow vetch</u>	<u>H</u>				
7. <u>Stem Nettle</u>	<u>H</u>				
8.					

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: SLOPE BANK

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	
Remarks: _____	

Date: 7/17/06  
 Community ID: Upland  
 Plot ID: IC 1014A-SSR

**SOILS**

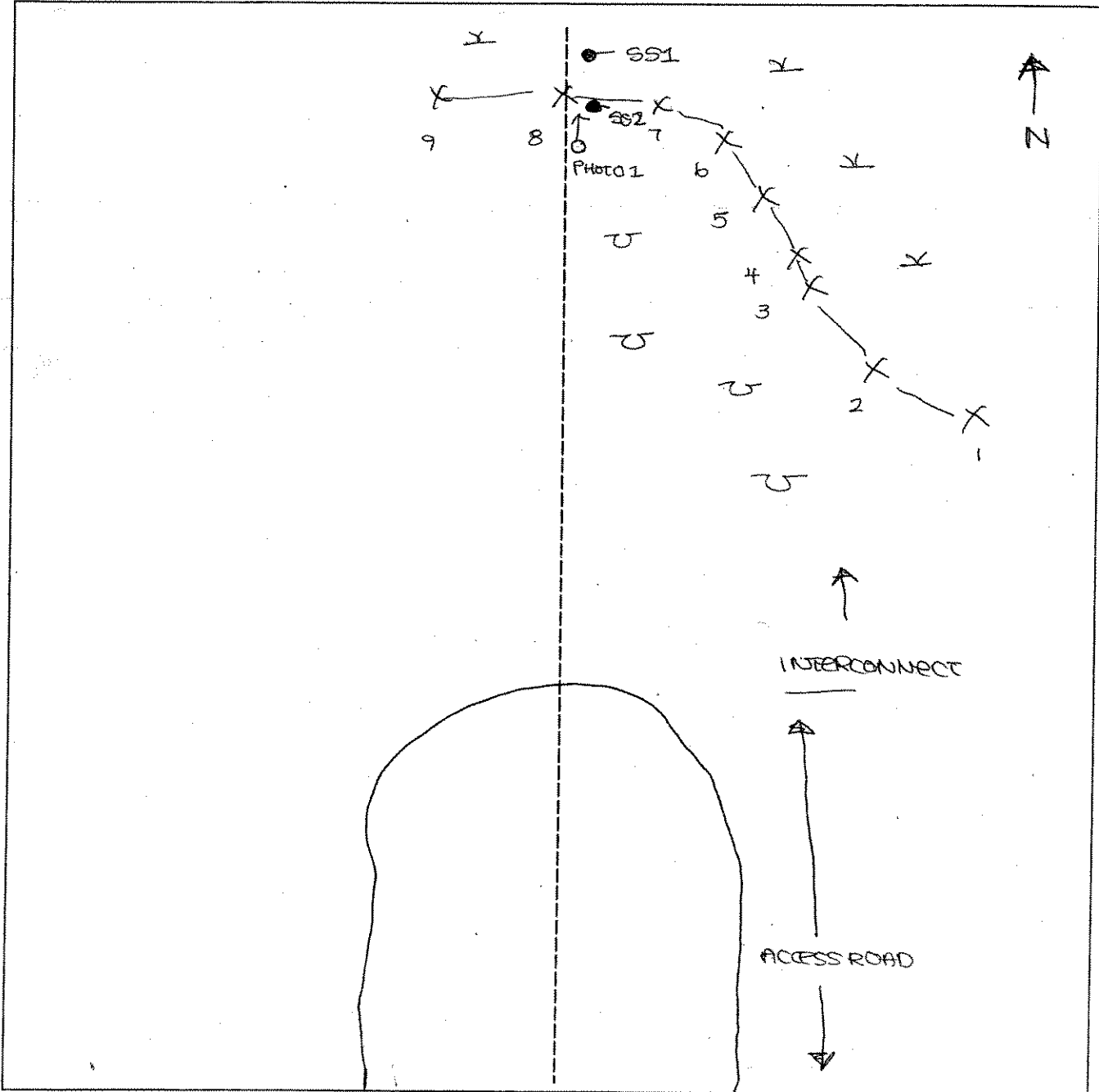
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 4/4	—	—	SILT LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: STEEP BANK.					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

**SKETCH FORM**

Wetland ID/Route #: IC1014 A	Date: 7/17/06	Time:
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 1 FACING NORTH	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>MARBLE RIVER WIND FARM</i> Applicant/Owner: <i>MARBLE RIVER LLC</i> Investigator: <i>R.D. SE</i>	Date: <i>7/17/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>IC10145</i> Plot ID: <i>551</i>

**VEGETATION** *RSS*

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED MAPLE</i>	<i>T</i>				9.
2. <i>Brown Elm</i>	<i>T</i>				10.
3. <i>SPECIED Alder</i>	<i>S</i>				11.
4. <i>PARROT WING GILDED</i>	<i>H</i>				12.
5. <i>R. STEMMED GARDNER</i>	<i>H</i>				13.
6. <i>Juncus</i>	<i>H</i>				14.
7. <i>Sensitive Fern</i>	<i>H</i>				15.
8. <i>Interrupted Fern</i>	<i>H</i>				16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i>  Depth to Free Standing Water in Pit (in.): <i>~4"</i>  Depth to Saturated Soil (in.): <i>at 0"</i>	Remarks: <i>Associated w/ perennial stream</i>

Date: 7/17/86  
 Community ID: WETLAND  
 Plot ID: EC1014R-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	—	—	Silty CLM
12-14	B <sub>1</sub>	6.5Y 3/2	10YR 3/2	SD/SD mix	CLM
14-20	B <sub>2</sub>	10YR 5/3	—	—	Sandy CLM

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River Wind Farm</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>ED SC</u>	Date: <u>7/17/86</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>IC1014B</u> Plot ID: <u>552</u>

**VEGETATION** FOREST EDGE / EARLY SUCCESSIONAL field

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>20%</u> Shrub: <u>90%</u> Herb: <u>70%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Bitter Cherry</u>	<u>T</u>		9. <u>Milkweed</u>	<u>H</u>	
2. <u>Apple</u>	<u>T</u>		10. <u>Solidago sp</u>	<u>S H</u>	
3. <u>SOFT MAPLE</u>	<u>T</u>		11. <u>WOOD SORREL</u>	<u>H</u>	
4. <u>GRASS</u>	<u>T</u>		12. <u>VA Creeper</u>	<u>H</u>	
5. <u>Hib. Starbush</u>	<u>S</u>		13. <u>CANADA Goldenrod</u>	<u>H</u>	
6. <u>Raspberries</u>	<u>S</u>		14.		
7. <u>White Asters</u>	<u>H</u>		15.		
8. <u>Strawberry</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): _____					
Remarks: _____					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks: _____	

Date: 7/17/06  
 Community ID: Upland  
 Plot ID: IC 104B-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-18	A	10YR 4/4	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

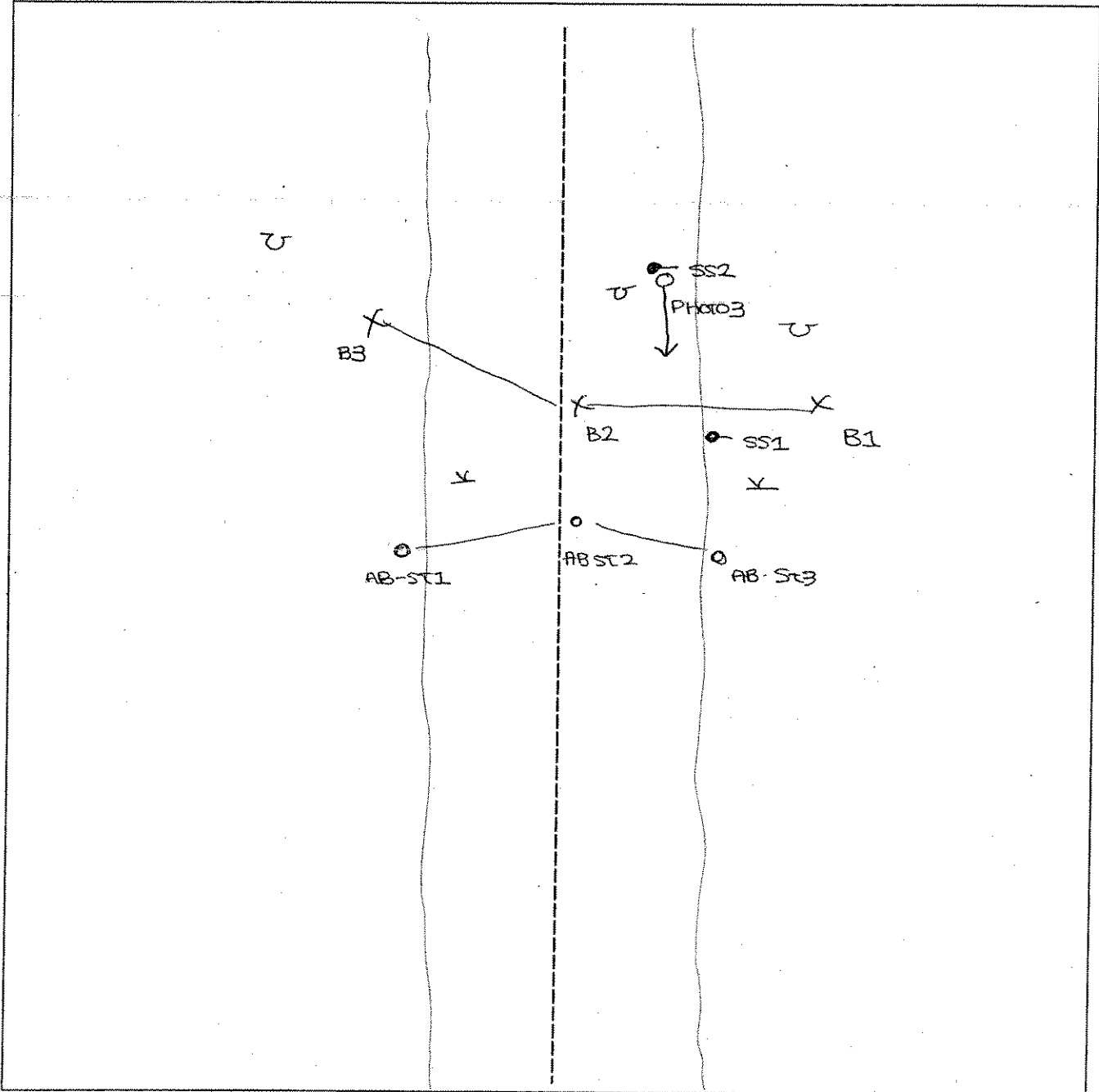
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	









Remarks:



**SKETCH FORM**

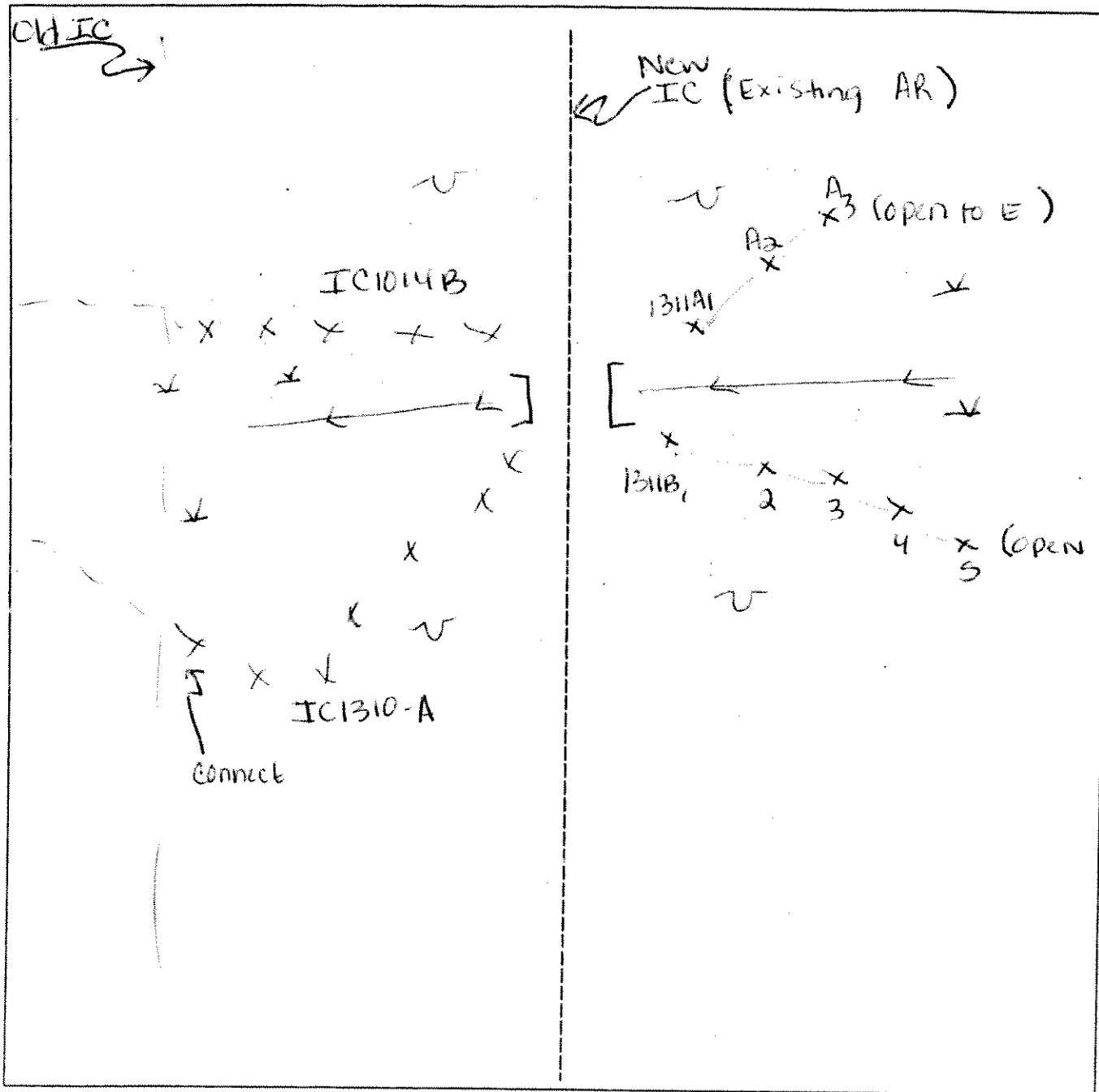
Wetland ID/Route #: IC1014B	Date: 7/17/00	Time:
Initials of Delineators: RD SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 3 FACING S	



<u>Legend</u>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

SKETCH FORM

Wetland ID/Route #: IC1014B / IC1310, 1311A/B	Date: 10/12/06	Time:
Initials of Delineators: JV IB	Location: IC N of T-175	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BO</u>	Date: <u>7/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>IC 1015 AB-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>40</u> Herb: <u>15</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Ulmus americana</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Spirea latifolia</u>	<u>Sh</u>	<u>FAC+</u>	10.		
3. <u>Cornus amomum</u>	<u>Sh</u>	<u>FACW</u>	11.		
4. <u>Sagittaria</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Juniperus (J. copensis)</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Glyceria striata</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Iris sp.</u>	<u>H</u>	<u>assumed</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7/17/04  
 Community ID:  
 Plot ID:  
 JC 1015 AB SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A <sub>0</sub>	2.5Y 3/1			
10-16	B <sub>w</sub>	2.5Y 5/0	10YR 5/6	25%	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content; Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

Pic ! → E

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BO</i>	Date: <i>7/17/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No          Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No          (If needed, explain on reverse.)       </span></span>	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1015 A/B-SS3</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Glucenia striata</i>	H	OBL	9.		
2. <i>Scirpus atrovirens</i>	H	OBL	10.		
3. <i>Juncus</i>	H	FACW	11.		
4. <i>gravel leaved toothwort</i>	H	OBL	12.		
5. <i>Juncus effusus</i>	H	FACW	13.		
6. <i>Timothy</i>	H	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.): <i>surface</i></p>	
Remarks:	

Date: 7/17/06  
 Community ID: WETLAND  
 Plot ID: IC1015B

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0 → 16	AP	10 YR 3/1	7.5 YR 3/4	75%	Sandy loam
16 → 18	BW	2.5 YR 5/1	7.5 YR 4/4	75%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks 	

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i>	Date: <i>7/17/06</i>
Applicant/Owner: <i>Marble River LLC</i>	County: <i>Clinton</i>
Investigator: <i>BLE</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 1015 A/B S/S</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>10</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Timothy</i>	H	FACU	9.		
2. <i>Sweet Vernal Grass</i>	H	FACU	10.		
3. <i>Plantain</i>	H	FACU	11.		
4. <i>Yarrow</i>	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks: <i>Dirt Road</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <i>None</i> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-17-06

Community ID:

Plot ID: *upland*

*IC 1015 A/B -SSD*

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-8</i>	<i>C (EIII)</i>	<i>10YR 2/1</i>	<i>none</i>	<i>low</i>	

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

*- plot is in dirt road, extremely granule/stony*  
*- C is fill*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?

Yes  No

Wetlands Hydrology Present?

Yes  No

Hydric Soils Present?

Yes  No

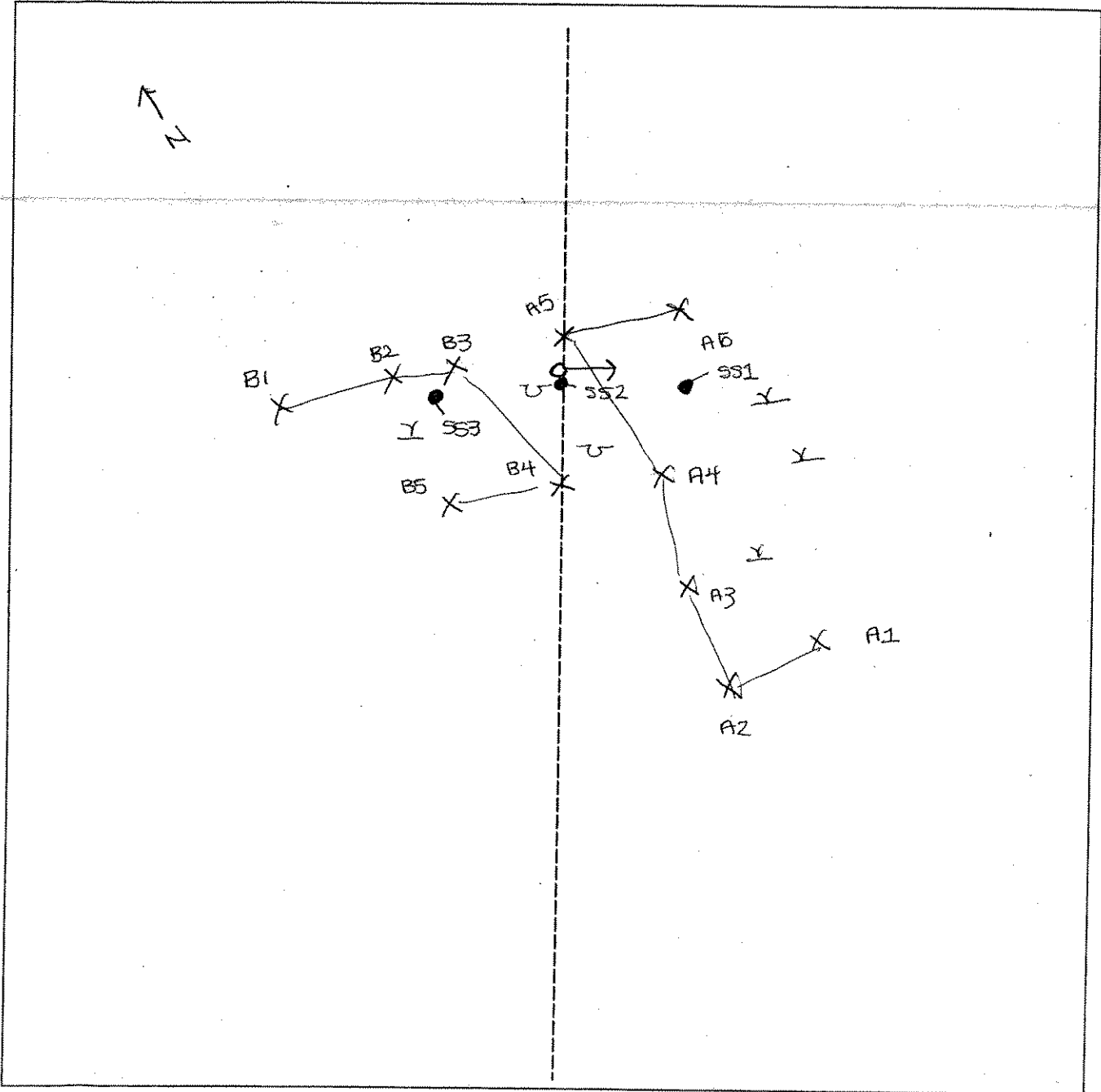
Is this Sample Station Point Within a Wetland? Yes  No

Remarks



SKETCH FORM

Wetland ID/Route #: IC1015A/B	Date: 7/17/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames:	PHOTO: IC1015A FACING ESE



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Middle River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQE</i>	Date: <i>7-17-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1016 A 551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub: <i>10</i>	Herb: <i>95</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Scirpus atrovirens</i>	<i>H</i>	<i>OBL</i>	<i>9.</i>		
<i>2. Carex scoparia</i>	<i>H</i>	<i>OBL</i>	<i>10.</i>		
<i>3. Carex lasiocarpa</i>	<i>H</i>	<i>OBL</i>	<i>11.</i>		
<i>4. Juncus effusus</i>	<i>H</i>	<i>FACW</i>	<i>12.</i>		
<i>5. Plantago lanceolata</i>	<i>Sh</i>	<i>FAC</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-17-06  
 Community ID: Wetland  
 Plot ID:

IC 1016-A-SS1

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-15	A <sub>2</sub>	2.5Y 8/1	7.5YR 3/3	75%	Sandy loam
15-18"	B <sub>22</sub>	2.5Y 5/2	10YR 5/6	75%	loamy sand

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

7:0 → W

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCD</i>	Date: <i>7-17-06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 1016 A 492</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>Sweet vernal grass</i>	<i>H</i>	<i>FACU</i>	10.		
3. <i>Phleopogon major</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Burchardia tenuis</i>	<i>H</i>	<i>FAC-</i>	12.		
5. <i>Orchard grass</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	<i>None</i>
Remarks:	

Date: 7-17-06  
 Community ID: Upland  
 Plot ID:

IC 1016-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
10-16	Ap	10YR 3/2	None	—	Sandy loam
16-18	Bw	10YR 4/1	None	—	Sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQ</i>	Date: <i>7/17/08</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>logging</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1016 B-591</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <input checked="" type="radio"/> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex lurida</i>	H	OBL	9.		
2. <i>Carex stipata</i>	H	OBL	10.		
3. <i>Juncus effusus</i>	H	OBL	11.		
4. <i>Bonset (E. perfoliatum)</i>	H	FACW	12.		
5. <i>Glyceria striata</i>	H	OBL	13.		
6. <i>red top</i>	H	FACW	14.		
7. <i>arrowleaf cattail (P. sagittifolia)</i>	H	OBL	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-17-06  
 Community ID: wetland  
 Plot ID:  
 EC 1016-B-591

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A <sub>0</sub>	2.5Y 2/1	7.5YR 4/4	> 5%	loamy loam
10-16+	B <sub>u</sub>	2.5Y 5/2	7.5YR 3/4	7.5%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Wadde River Wind</i> Applicant/Owner: <i>Wadde River LLC</i> Investigator: <i>BR</i>	Date: <i>7-17-06</i> County: <i>Clinton</i> State: <i>VT</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>LC 7016 B-SSR</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>10</i> Herb: <i>10</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple (A. rubrum)</i>	<i>T</i>	<i>EAC</i>	9.		
2. <i>...</i>	<i>H</i>		10.		
3. <i>Black Cherry (P. serotinus)</i>	<i>Sh</i>	<i>FACU</i>	11.		
4. <i>Yew (C. cornuta)</i>	<i>SL</i>	<i>FACU</i>	12.		
5. <i>Hemlock (T. canadensis)</i>	<i>T</i>	<i>FACU</i>	13.		
6. <i>Canada mayberry</i>	<i>H</i>	<i>FAC-</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <span style="margin-left: 20px;"><i>NONE</i></span> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



Date: 7-17-06  
 Community ID: Upland  
 Plot ID:

IC 1016 B 552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 7/2	non		
10-16"	B <sub>u</sub>	10 YR	non		

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

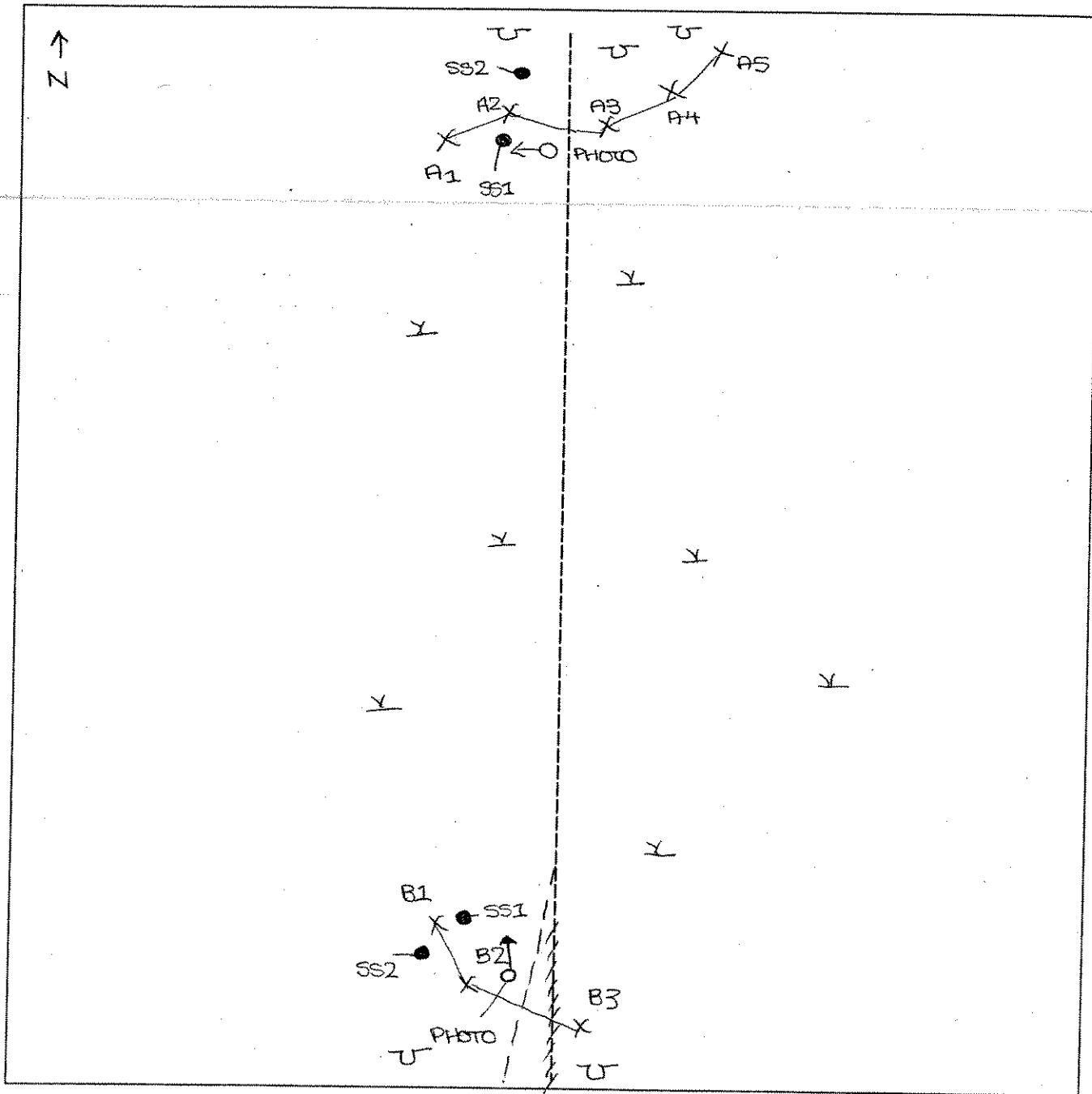
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

### SKETCH FORM

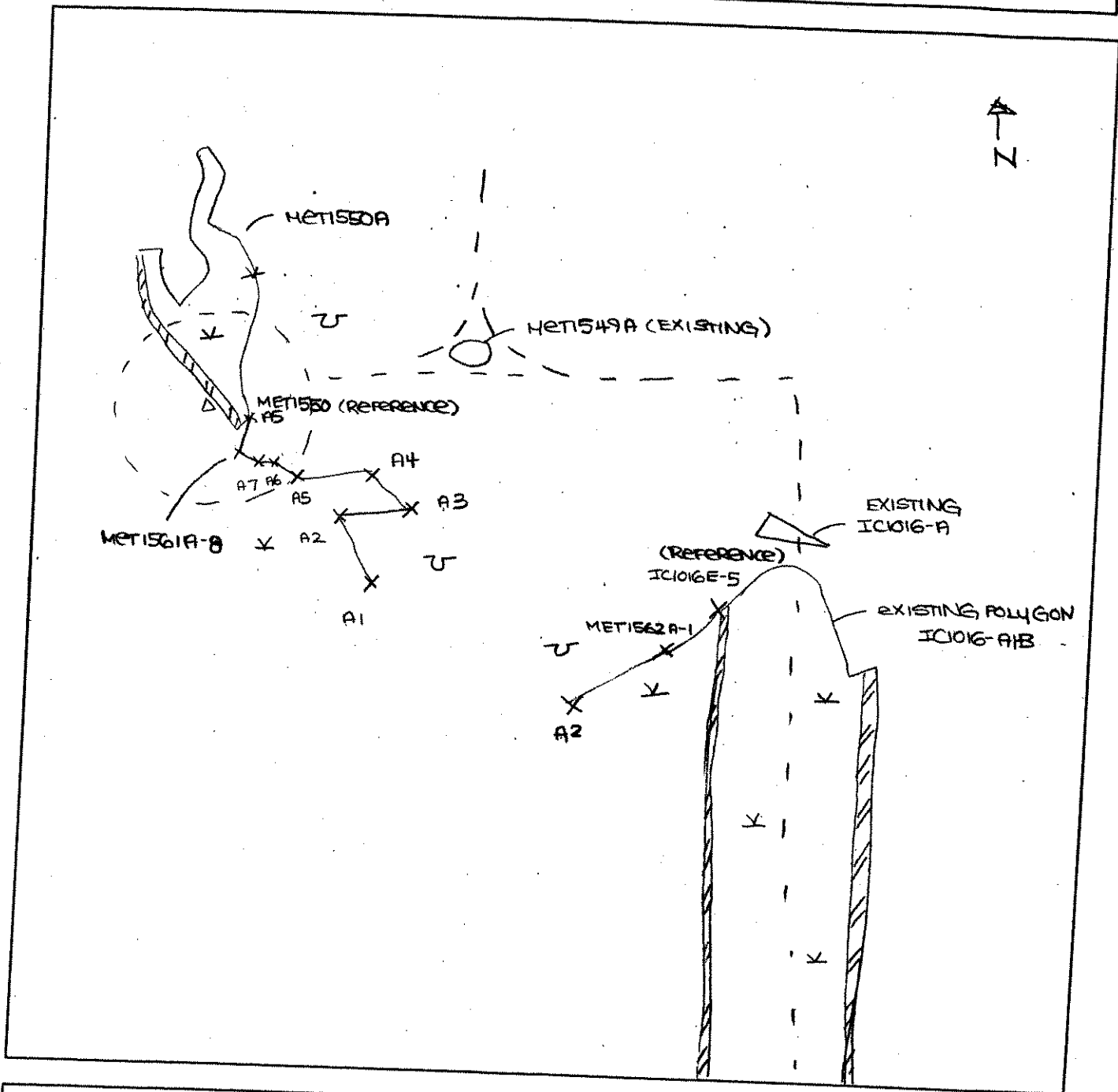
<b>Wetland ID/Route #:</b> IC10168A/B	<b>Date:</b> 7/17/06	<b>Time:</b>
<b>Initials of Delineators:</b> BQ / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO (B LINE) FACING NORTH		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

### SKETCH FORM

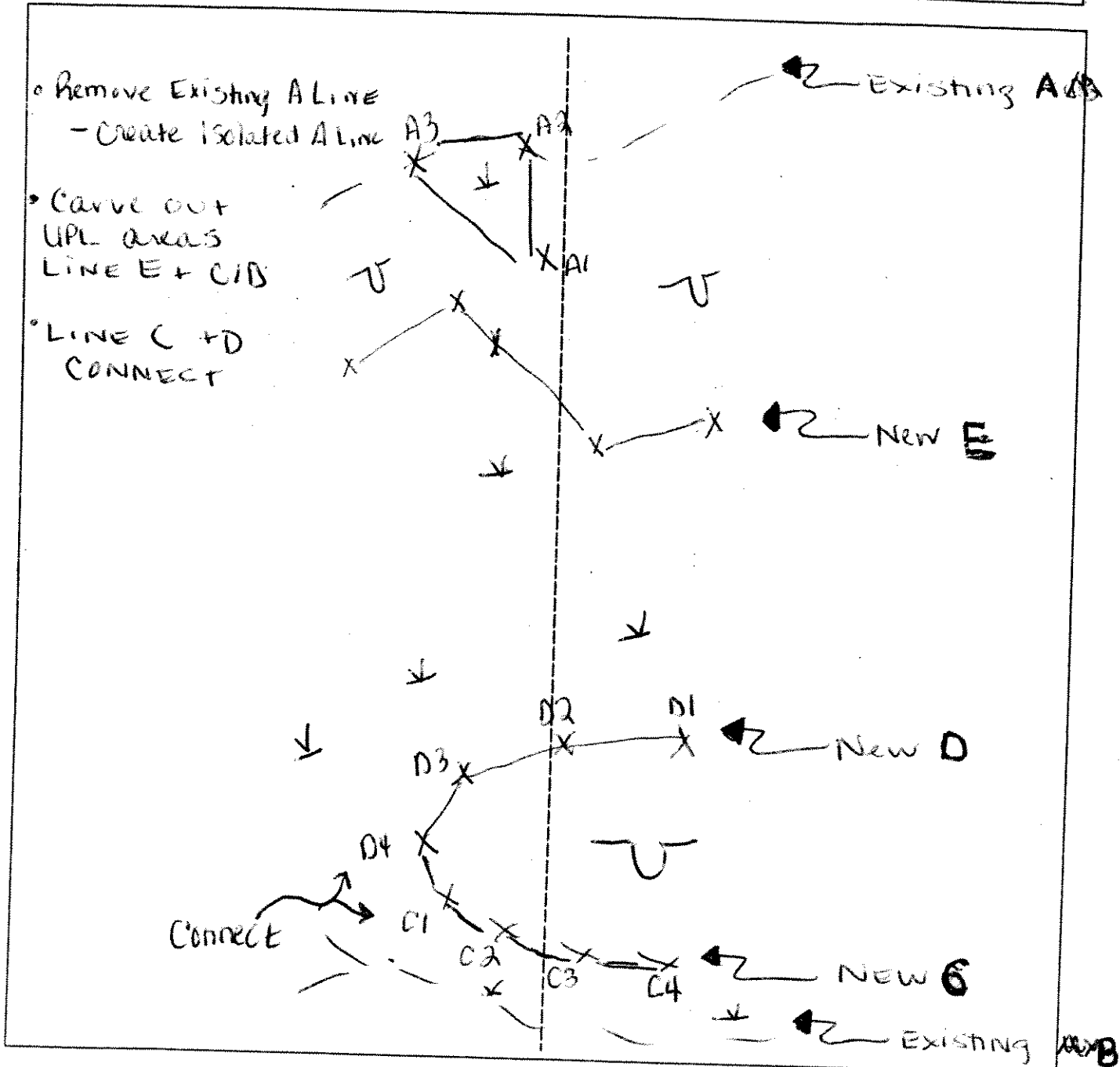
<b>Wetland ID/Route #:</b> MET1550-A EXT IC1016-A/B EXT	<b>Date:</b> 8/23/2007 <b>Time:</b>
<b>Initials of Delineators:</b> RJD	<b>Location:</b>
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream
			EXISTING WETLAND CONTINUATION LINES

### SKETCH FORM

Wetland ID/Route #: <i>IC 1016 C/D/E/F</i>	Date: <i>10/12/06</i> Time:
Initials of Delineators: <i>JV LB</i>	Location: <i>IC TO T.3A</i>
Roll #:                  Frames:	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-21-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>IC 1023-A-551</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>75</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Salix sp</u>	<u>SH</u>	<u>Assoc wet</u>	9. <u>Urtica dioica</u>	<u>V</u>	<u>FAC</u>
2. <u>Cornus stolonifera</u>	<u>SH</u>	<u>FACW</u>	10. <u>Sparganium angustifolium</u>	<u>SH</u>	<u>FAC</u>
3. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Sagittaria arifolia</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Rough golden rod</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Solidago gigantea</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Equisetum sp.</u>	<u>H</u>	<u>Assoc wet</u>	15.		
8. <u>Rubus idaeus</u>	<u>SH</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>8"</u>	
Remarks:	

Date: 7-21-06

Community ID:

Plot ID:

IC 10+3-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	Ap	10YR 3/2	10YR 4/6	2%	finely gran
12-16+	Bw	2.5Y 5/2	10YR 5/6	>5%	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Pic 3 → N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-21-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC 1023-1552</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>25</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Corylus cornuta</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Shrub (A. orbiculata)</u>	<u>SH</u>	<u>FAC-</u>	12.		
5. <u>Solidago sp.</u>	<u>-</u>		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>None observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	<p align="right" style="font-size: 2em;"><u>None</u></p>
Remarks:  <p align="center" style="font-size: 1.2em;"><u>= NO oxidized rhizosphere within 12" of in wetland plot</u></p>	

Date: 7-21-06  
 Community ID:  
 Plot ID:

FC 1023-A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-15	A <sub>2</sub>	10YR 7/2	None	✓	Sandy loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |


**Remarks:**

Soil is extremely stony below 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

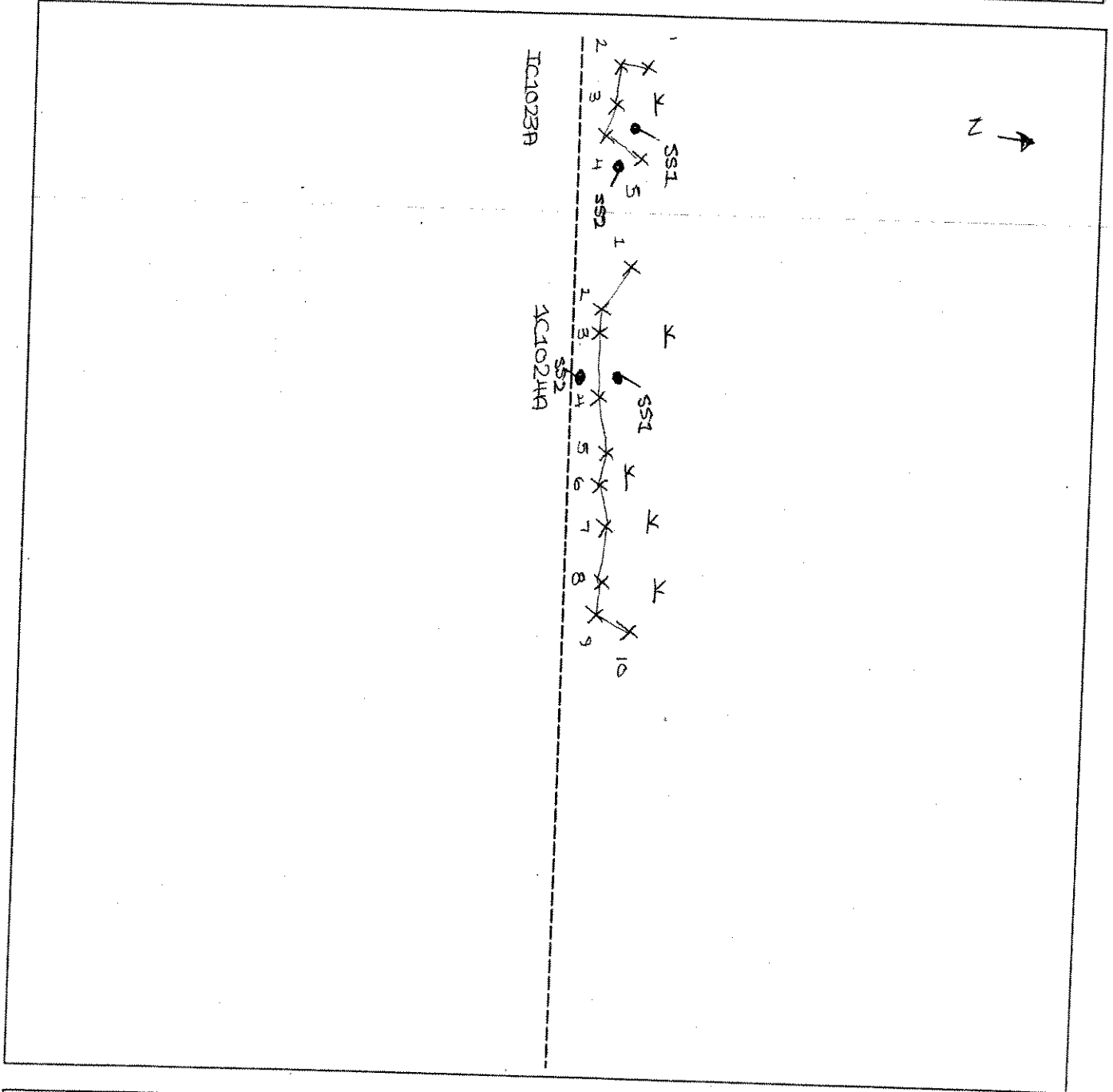
**Remarks**

wetland separated by long rock wall + topo  
 SS2  SS1



### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1023A / IC1024A	<b>Date:</b> 7/20/06
<b>Intials of Delineators:</b> BG / SC	<b>Location:</b> HADDOLE RIVER
<b>Roll #:</b> <b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO BR</u>	Date: <u>7-21-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td align="center"><input checked="" type="radio"/> Yes</td> <td align="center"><input type="radio"/> No</td> </tr> <tr> <td align="center"><input type="radio"/> Yes</td> <td align="center"><input checked="" type="radio"/> No</td> </tr> <tr> <td align="center"><input type="radio"/> Yes</td> <td align="center"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>IC 1024-A-551</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>15</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Spiraea latifolia</u>	<u>SH</u>	<u>FAC+</u>	11.		
4. <u>Shadbush</u>	<u>SH</u>	<u>FAC-</u>	12.		
5. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	13.		
6. <u>Sensitive fern</u>	<u>IT</u>	<u>FACW</u>	14.		
7. <u>Rough stem golden rod</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Solidago gigantea</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>88%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-21-06  
 Community ID:  
 Plot ID:  
 IC 1024 A-971

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A <sub>1</sub>	2.5Y 2/1	7.5YR 3/3	2%	Sandy loam
10-13+	B <sub>1</sub> W	2.5Y 2/2	10YR 5/6	75%	Sandy loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

**Remarks:**

- extremely stony

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

**Remarks**

Pic 2 → N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BQ/BR</i>	Date: <i>7-21-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>IC 1024/1025-A-552</i>

**VEGETATION**

*(shared upland data plot)*

Plant Community Classification:						
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1.			9.			
2.			10.			
3.			11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: *Plot is in dirt road directly adj. to IC 1024 + IC 1025, no veg.*

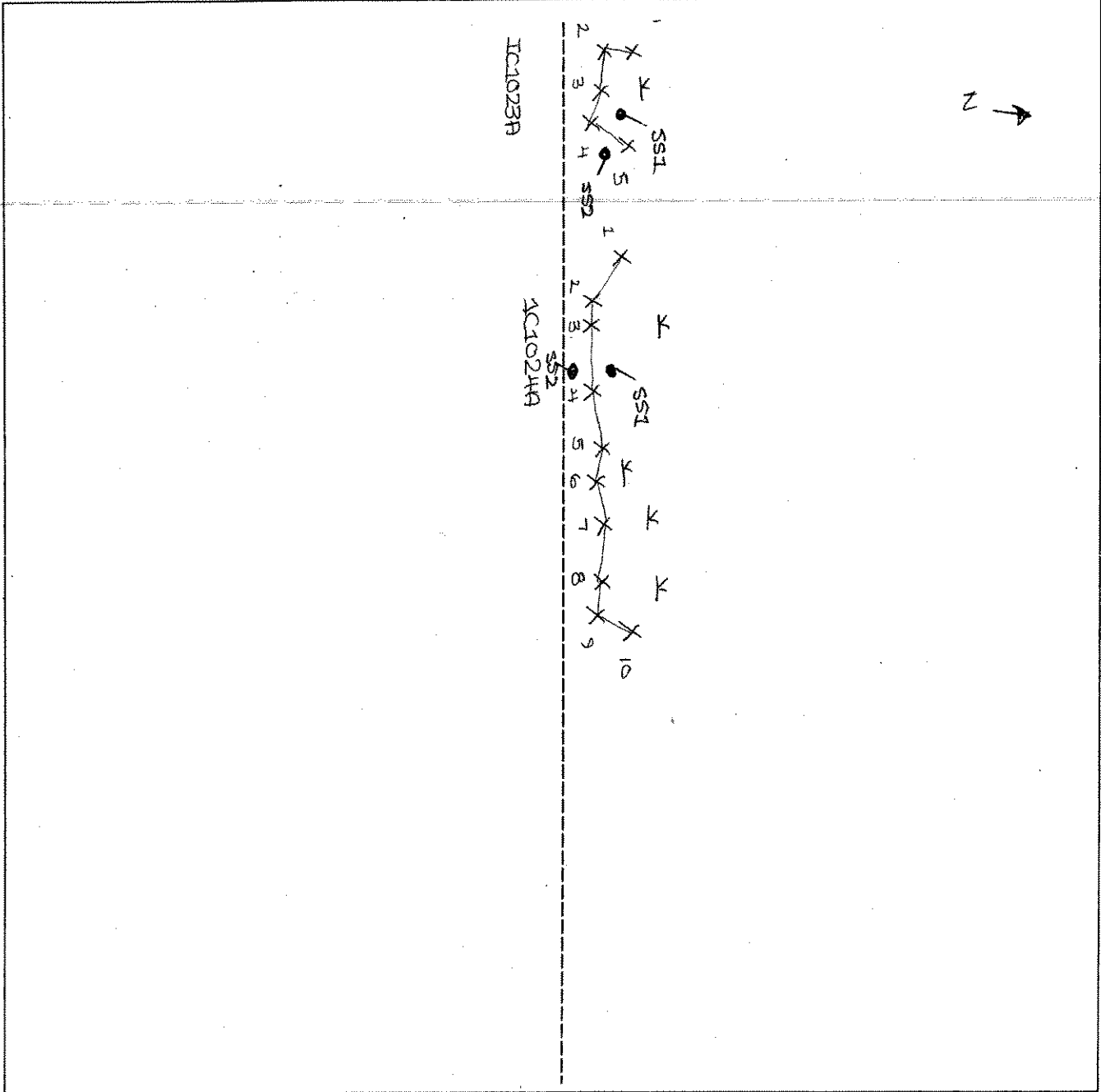
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <span style="float: right;"><i>none</i></span> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



**SKETCH FORM**

Wetland ID/Route #: IC1023A / IC1024A	Date: 7/20/06	Time:
Initials of Delineators: BA / SC	Location: HARBLE RIVER	
Roll #:	Frames:	



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BD</u>	Date: <u>7-29-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td><u>No</u></td> </tr> <tr> <td>Yes</td> <td><u>No</u></td> </tr> </table>	Yes	No	Yes	<u>No</u>	Yes	<u>No</u>
Yes	No						
Yes	<u>No</u>						
Yes	<u>No</u>						
Community ID: <u>wetland</u> Transect ID: Plot ID: <u>IC 1038-A-551</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>90</u> Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Tamarack (Taxus laricina)</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Leather leaf</u>	<u>SH</u>	<u>OBL</u>	10.		
3. <u>Sedum groenlandicum</u>	<u>SH</u>	<u>OBL</u>	11.		
4. <u>Bog rosemary (Andromeda sp.)</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Glyceria canadensis</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Rhodora</u>	<u>SH</u>	<u>FACW</u>	15.		
8.			16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>0-8"</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>surface</u>	
Remarks:	

Date: 7-29-06  
 Community ID: Wetland  
 Plot ID:  
 IC 1038-A-551

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4 1/2"	0e	7.5YR 3/1	—	—	peat

**Hydro Soil Indicators**

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

- Peatland  
 - inundated



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7-29-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 20px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 20px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: wetland Transect ID: Plot ID: IC 1038-B-551

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 60 Shrub: 60 Herb: 35 Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Larix laricina	T	FACW	9.		
2. Acer glabrum	T	FAC	10.		
3. Vaccinium corymbosum	SH	FACW	11.		
4. Mountain Holly (N. mucronatis)	SH	OBL	12.		
5. Sphagnum	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): 1"	Remarks:



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BC</u>	Date: <u>7-29-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC 1038-A/B-952</u> <i>(shared data plot)</i>

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 10 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Trifolium pratense</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Plantago major</u>	<u>H</u>	<u>FACU</u>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0

Remarks: Dirt Road Little veg (Swamp Rd.)

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs  <input checked="" type="checkbox"/> Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>None Observed</u>          Depth to Free Standing Water in Pit (in.):          Depth to Saturated Soil (in.):</p>	<p><u>None</u></p>
Remarks:	

Date: 7-29-06  
 Community ID: Upland  
 Plot ID: AC 1038-A/B-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	C	10 YR 8/4	none		gravelly loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 'C' is extremely dense gravelly fill at Road

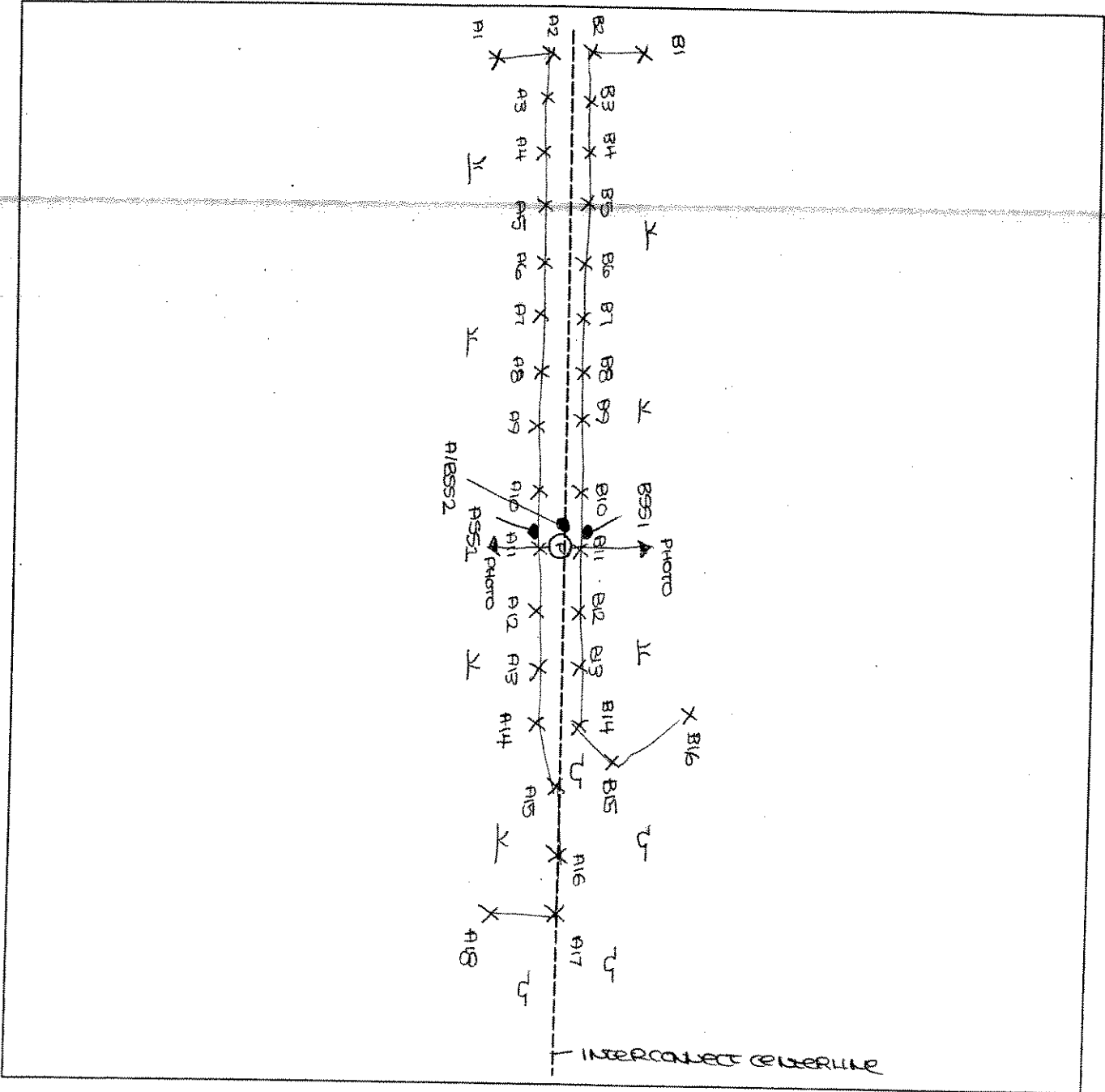
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1038 A/B	<b>Date:</b> 7/29/06	<b>Time:</b>
<b>Initials of Delineators:</b> BQ / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> B PHOTO FACING NORTH A PHOTO FACING SOUTH		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>R.D. Sci</i>	Date: <i>7/31/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> </table>	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Wetland</i> Transect ID: <i>IC1039 A</i> Plot ID: <i>551</i>							

**VEGETATION** *PSS.*

Plant Community Classification: _____					
Percent Canopy Cover: Tree: _____ Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>SPECIATED ALDER</i>	<i>3</i>		9. <i>Interrupted Fern</i>	<i>4</i>	
2. <i>GRAY BIRCH</i>	<i>T</i>		10.		
3. <i>AMOR PHOENIX</i>	<i>T</i>		11.		
4. <i>BALSAM FIR</i>	<i>3</i>		12.		
5. <i>SLYBIE FERN</i>	<i>H</i>		13.		
6. <i>SPHAGNUM</i>	<i>H</i>		14.		
7. <i>CAREX SP</i>	<i>H</i>		15.		
8. <i>ASTRA SP</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): _____					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): _____  Depth to Free Standing Water in Pit (in.): _____  Depth to Saturated Soil (in.): _____	
Remarks:	

Date: 7/31/06  
 Community ID: WERAND  
 Plot ID: IC1039A

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR3/1	—	—	Silty clay

- Hydro Soil Indicators
- Histosol
  - Histic Epipedon
  - Sulfidic Odor
  - Aquic Moisture Regime
  - Reducing Conditions
  - Gleyed or Low-Chroma Colors
  - Concretions
  - High Organic Content, Surface Layer in Sandy Soils
  - Organic Streaking in Sandy Soils
  - Listed on Local Hydric Soils List
  - Listed on National Hydric Soils List
  - Other (Explain in Remarks)

Remarks: *Presence of shell at 14"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJD, SC</i>	Date: <i>7/31/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>IC1039 A</i> Plot ID: <i>552</i>

**VEGETATION** *upland Conifer / Decid Mix Forest*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>95%</i> Shrub: <i>30%</i> Herb: <i>25%</i> Vine: <i>0</i>			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RALSAM FIR</i>	<i>TIS</i>		9. <i>Whorled Wood</i>	<i>H</i>	
2. <i>BRAK BIRCH</i>	<i>T</i>		10.		
3. <i>RED MAPLE</i>	<i>TIS</i>		11.		
4. <i>CANADA MAYFLOWER</i>	<i>H</i>		12.		
5. <i>BURCH BARKEN</i>	<i>H</i>		13.		
6. <i>BRACKEN POEN</i>	<i>H</i>		14.		
7. <i>CLUB MOSS</i>	<i>H</i>		15.		
8. <i>WOOD PILE</i>	<i>H</i>		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	



Date: 7/31/06  
 Community ID: upland  
 Plot ID:

ICD39A

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	5YR 3/2			Leaf litter & organics
4-8	A	10YR 2/1			Silty clay loam
8-14	B	10YR 6/1	10YR 5/1	50/SD mix	Sand

Hydro Soil Indicators

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:  
 Refusal of shovel at 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJD SCJ</i>	Date: <i>7/31/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>W000005</i> Transect ID: <i>IC10393</i> Plot ID: <i>551</i>							

**VEGETATION** *PFO - Conifer*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>75%</i> Shrub: <i>30%</i> Herb: <i>65%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Koeleria Fir</i>	<i>T15</i>		9. <i>Carex intumescens</i>	<i>H</i>	
2. <i>Red maple</i>	<i>I5</i>		10. <i>Carex lasiocarpa</i>	<i>H</i>	
3. <i>N. Bayleaf weed</i>	<i>H</i>		11.		
4. <i>Club moss</i>	<i>H</i>		12.		
5. <i>Woodfern</i>	<i>H</i>		13.		
6. <i>Quillwort</i>	<i>H</i>		14.		
7. <i>Sphagnum moss</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>Carex sp</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Scattered woodfern</i> <span style="float: right;"><i>Upland, hummocks included.</i></span>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7/3/06  
 Community ID: wetland  
 Plot ID: IC1039B

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-1	A	10YR 4/1	—	—	DEPOSITIONAL SILT
1-3		10YR 3/2	—	Silt &	ORGANIC & LEAF LITTER
3-4		10YR 2/1	—	—	Silty CLAY loam
4-7		10YR 5/2	—	—	Silty CLAY
7-12	B	10YR 5/3	10YR 4/4	50/50 mix	SANDY CLAY

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Presence of shade at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>Pat. Sc</i>	Date: <i>7/13/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC1039 B</i> <span style="float: right;"><i>552</i></span>							

**VEGETATION**

Plant Community Classification: *Upland Forest*

Percent Canopy Cover: *Forest*

Tree: *35%* Shrub: *25%* Herb: *20%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TASSAEM TRE</i>	<i>TIS</i>		9.		
2. <i>Red maple</i>	<i>TIS</i>		10.		
3. <i>YELLOW Birch</i>	<i>T</i>		11.		
4. <i>Green hick</i>	<i>TIS</i>		12.		
5. <i>Canada mayflower</i>	<i>H</i>		13.		
6. <i>Club moss</i>	<i>H</i>		14.		
7. <i>Burk herry</i>	<i>H</i>		15.		
8. <i>white wood aster</i>	<i>H</i>		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

- Recorded Data (Describe in Remarks):
- Stream, Lake, or Tide Gauge
- Aerial Photographs
- Other
- No Recorded Data Available

Field Observations:

Depth of Surface Water (in.): *n/A*  
 Depth to Free Standing Water in Pit (in.): *n/A*  
 Depth to Saturated Soil (in.): *n/A*

Wetland Hydrology Indicators:

Primary Indicators:

- Inundated
- Saturated
- Water Marks
- Drift lines
- Sediment Deposits
- Drainage Patterns In Wetlands

Secondary Indicators (2 or more required):

- Oxidized Root Channels in Upper 12 inches
- Water-Stained Leaves
- Local Soil survey Data
- FAC-Neutral Test
- Other (Explain in Remarks)

Remarks:

Date: 7/31/06  
 Community ID: upland  
 Plot ID: TC1039B

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth  
 (Inches)

Horizon

Matrix Color  
 (Munsell Moist)

Mottle Colors  
 (Munsell Moist)

Mottles  
 Abundance/Size/  
 Contrast

Texture, Concretions,  
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2	—	—	Silt loam upland sandy clay
3-5	E	10YR 5/2	—	—	Silty clay loam
5-12	B	7.5YR 3/4	—	—	

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors

- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

Refusal of shovel at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

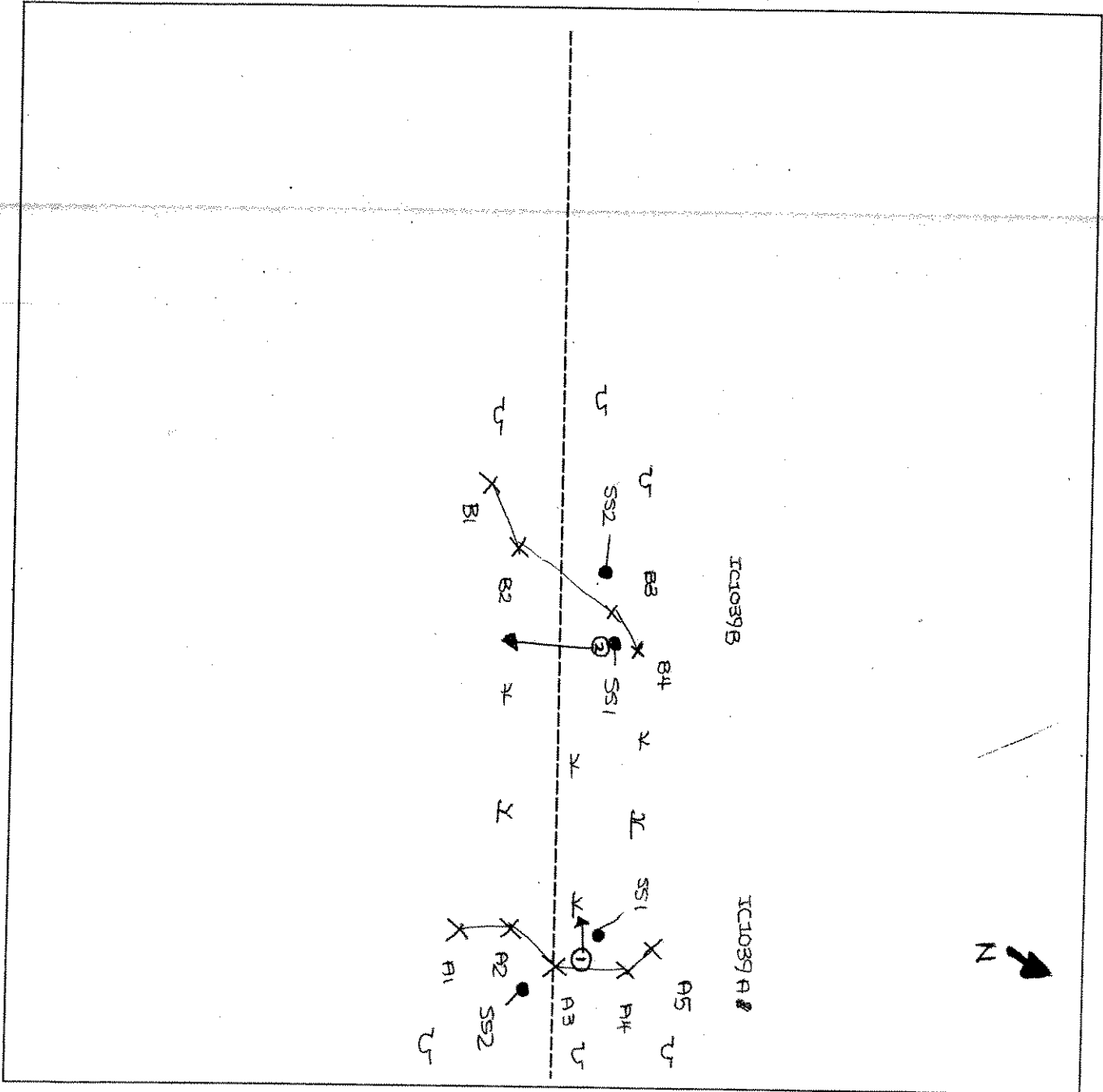
Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

**SKETCH FORM**

Wetland ID/Route #: <b>IC1039 A / B</b>	Date: <b>7/31/06</b>	Time: <b>AM</b>
Initials of Delineators: <b>RD / SC</b>	Location: <b>MARBLE RIVER</b>	
Roll #:	Frames: <b>PHOTO ① FACING WEST</b> <b>② SOUTH - SOUTHEAST</b>	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: <i>8/3/06</i> County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	No	<input type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	No								
<input type="radio"/>	<input checked="" type="radio"/>								
Community ID: <i>WTRM</i> Transect ID: <i>IC1047A</i> Plot ID: <i>SSI</i>									

**VEGETATION** *(PTO)*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>65%</i> Shrub: <i>80%</i> Herb: <i>75%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>American</i>	T		9.		
2. <i>Red maple</i>	T/S		10.		
3. <i>Green</i>	T		11.		
4. <i>Yellow</i>	H		12.		
5. <i>Sensitive fern</i>	H		13.		
6. <i>C. prostrata</i>	H		14.		
7. <i>Carex intumescens</i>	H		15.		
8. <i>Sparganium</i>	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/A</i> Depth to Free Standing Water in Pit (in.): <i>n/A</i> Depth to Saturated Soil (in.): <i>u</i>	
Remarks: <i>H2O Year 60 NE</i>	

Date: 8/3/06  
 Community ID: WETLANDS  
 Plot ID: JC10484-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR5/2	—	—	Silty clay loam
6-18	B	10YR5/2	10YR5/3	many laminae (A-B)	CL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: <i>8/3/86</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>UP1A</i> Transect ID: <i>IC1047A</i> Plot ID: <i>552</i>							

**VEGETATION**

*Upland Decid Forest/Woodland*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>40%</i> Shrub: <i>65%</i> Herb: <i>80%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gray birch	S/T		9.		
2. Speckled alder	S		10.		
3. R. stemmed golden rod	H		11.		
4. meadow sweet	S		12.		
5. Brambles	S		13.		
6. Red maple	T/S		14.		
7. Blackberry	I		15.		
8. Canada mayflower	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 8/13/06  
 Community ID: [unclear]  
 Plot ID: IC1047A-SS2

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
1-12"	A	10YR 3/3	—	—	Silt / clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: *Reverse of page at 124*

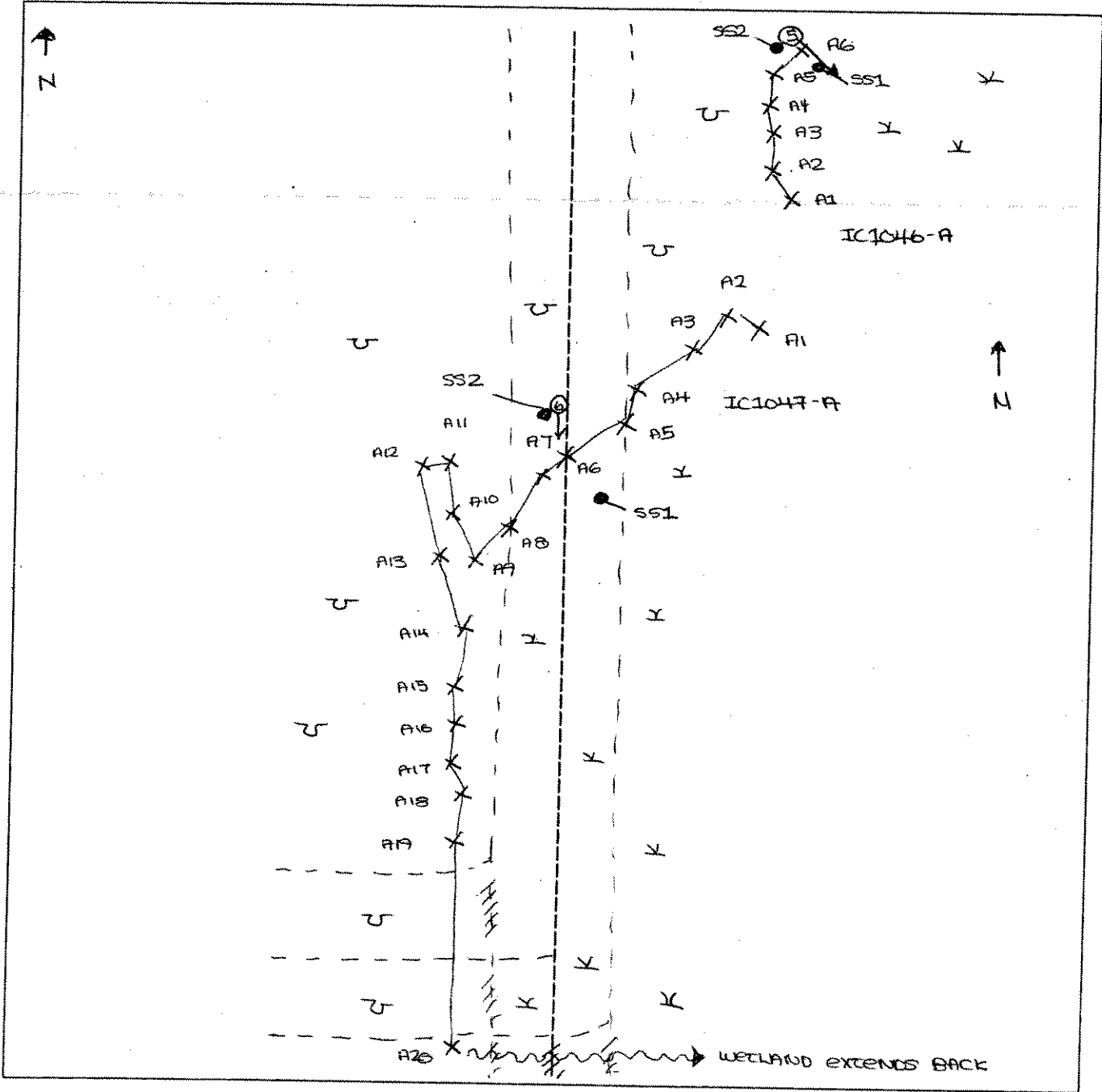
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1046-A IC1047-A	<b>Date:</b> 8/3/06 <b>Time:</b>
<b>Initials of Delineators:</b> AD / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO ⑥ FACING SOUTH / PHOTO ⑤ FACING SOUTHEAST	



<b>Legend</b>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>MA SC</i>	Date: <i>8/3/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetlands</i> Transect ID: <i>101048A</i> Plot ID: <i>51</i>

**VEGETATION** *PFD / PSS*

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Speckled alder</i>	<i>S</i>		9.		
2. <i>Balsam pop</i>	<i>T</i>		10.		
3. <i>Red maple</i>	<i>S/T</i>		11.		
4. <i>Hobble fern</i>	<i>S</i>		12.		
5. <i>Beak willow</i>	<i>S</i>		13.		
6. <i>Sensitive fern</i>	<i>H</i>		14.		
7. <i>Carex sp</i>	<i>H</i>		15.		
8. <i>RATTN</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Sphag to SW</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>✓ 9"</i>	
Remarks:	

Date: 8/3/06  
 Community ID: wetland  
 Plot ID: IC1048A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 2/1	—	—	Silty clay lam
9-18.5	B	10YR 5/1	10YR 5/4	com / med / dst	CLAY
13.5-18	B <sub>1</sub>	"	"	med / med, dst	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No		Yes	No
Hydric Soils Present?	Yes	No		Yes	No
Remarks					

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA SC</i>	Date: <i>8/3/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>uplands</i> Transect ID: <i>IC1048A</i> Plot ID: <i>-SS2</i>

**VEGETATION** *(UPLAND) CONIFER FOREST*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>70%</i>	Shrub: <i>25%</i>	Herb: <i>25%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RAVENS</i>	<i>H/S/H</i>		9.		
2. <i>BARNA</i>	<i>H</i>		10.		
3. <i>UNIDENTIFIED</i>	<i>A</i>		11.		
4. <i>BUNCH</i>	<i>H</i>		12.		
5. <i>INTERMEDIATE</i>	<i>H</i>		13.		
6. <i>INDIAN</i>	<i>A</i>		14.		
7. <i>SUNNY</i>	<i>S</i>		15.		
8. <i>SP</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 8/3/06  
 Community ID: uplands  
 Plot ID: LC1048A-552

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1	—	—	Silt loam w/ organics
4-16	B	7.5Y 4/6	—	—	Silty clay (sand)

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

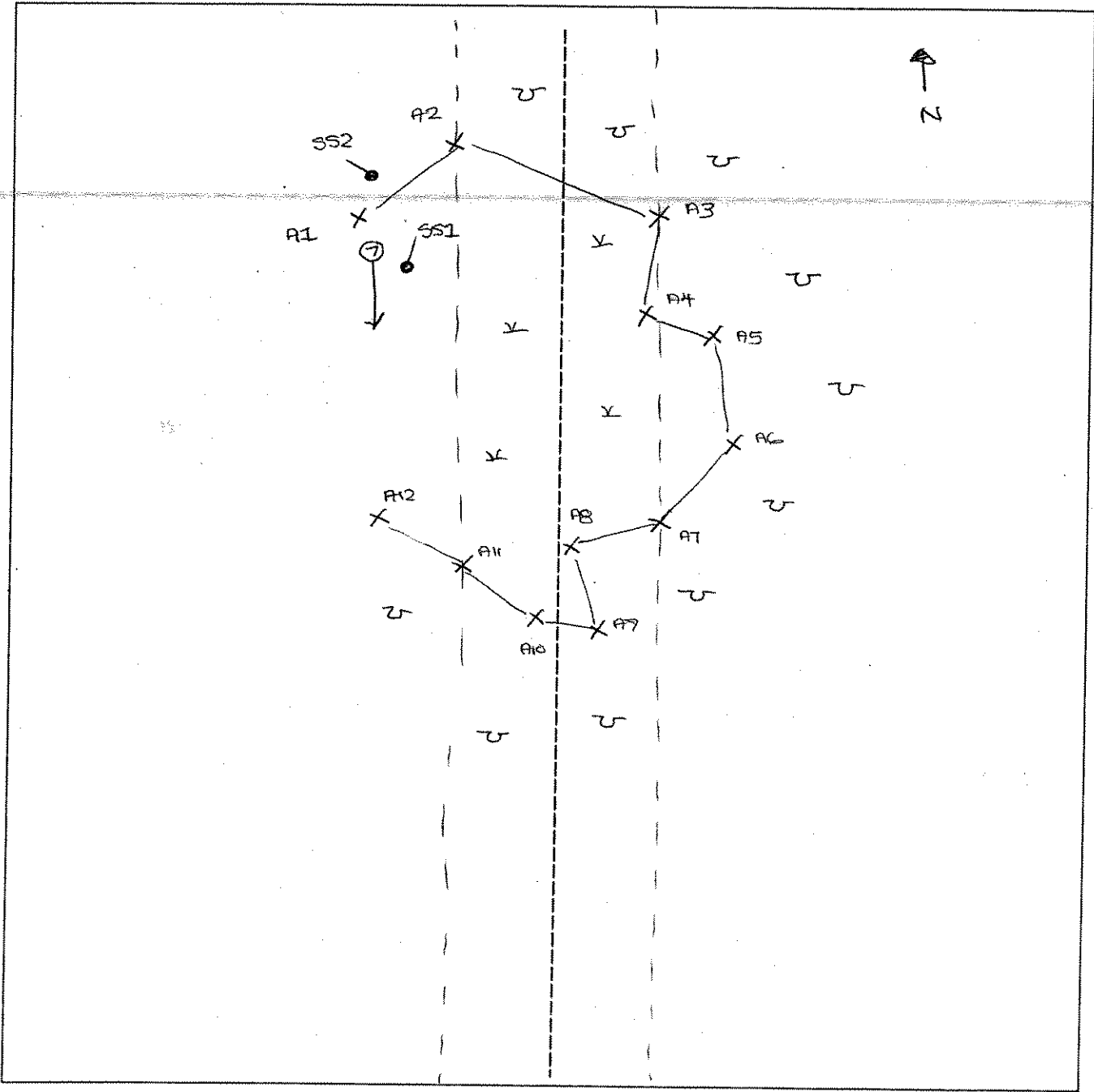
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1048A	<b>Date:</b> 8/3/06 <b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b>	PHOTO 7 FACING S



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River W. Wet</u> Applicant/Owner: <u>Marble River</u> Investigator: <u>BCR</u>	Date: <u>5/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wet</u> Transect ID: _____ Plot ID: _____ <u>WTG 44-AB-SS1</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
* 1	<u>B. alleghaniensis</u>	<u>T</u>	<u>FAC</u>	9			
* 2	<u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	10			
3	<u>M. canadense</u>	<u>H</u>	<u>FAC-</u>	11			
4				12			
5				13			
6				14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 66%

Remarks:

**HYDROLOGY**

_____ Recorded Data (Described in Remarks): _____ Stream, Lake, or Tide Gauge _____ Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> _____ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water: <u>6'</u> (in.) Depth to Free Water in Pit: <u>5"</u> (in.) Depth to Saturated Soil: <u>Surface</u> (in.)	Remarks:

WTG 44 A/B - 551  
Wetland

**SOILS**

Map Unit Name (Series and Phase): _____		Drainage Class: _____			
Field Observations Confirm Mapped Type? YES NO					
Profile Description:					
Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-3	Oe	7.5 YR 2.5/3			
3-7	A	2.5 Y 3/1	7.5 YR 3/4	75%	Sandy loam
7-10	B <sub>wh</sub>	2.5 Y 4/2	7.5 YR 3/4	75%	Sandy loam
12+	B <sub>w2</sub>	2.5 Y 6/3	2.5 Y 6/6	75%	loamy sand
Hydric Soil Indicators:					
- low chroma colors					
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle) Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks:	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River - Wind</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BQR</u>	Date: <u>5/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: _____ Plot ID: _____  <u>WT644-AB557</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
* 1	Yellow Birch	T	FACW	9			
* 2	A. rubrum	T	FAC	10			
3	Hop Hornbeam	T	FACW	11			
4	M. canadense	H	FAC-	12			
* 5	Acer rubrum	SH	FAC	13			
6	Black cherry	T	FACW	14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 50%

Remarks:

**HYDROLOGY** NONE

<input type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	
Remarks:	

WTG 44 A/B 552  
Upland

**SOILS**

Map Unit Name (Series and Phase): _____		Drainage Class: _____			
Field Observations Confirm Mapped Type? YES NO					
<b>Profile Description:</b>					
Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-2	A	10YR 2/1	none		
2-6	Bw1	10YR 3/3	none		
6-16	Bw2	10YR 4/4	none		
Hydric Soil Indicators:					
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle) Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle) Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle)	Is this Sampling Point Within a Wetland? Yes <input checked="" type="radio"/> No
Remarks:	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BQ</u>	Date: <u>5/17/06</u> County: <u>Clinch</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: _____ Plot ID: _____  <u>WT644-C-551</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
1	<u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9			
2	<u>Betula alleghaniensis</u>	<u>T</u>	<u>FAC</u>	10			
3	<u>Abies balsama</u>	<u>T</u>	<u>FAC</u>	11			
4	<u>Prunus serotina</u>	<u>SA</u>	<u>FAC</u>	12			
5	<u>Osmunda cinnamomea</u>	<u>H</u>	<u>FACW</u>	13			
6	<u>Fragaria americana</u>	<u>SL</u>	<u>FACW</u>	14			
7	<u>Chenopodium</u>	<u>SL</u>		15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 66%

Remarks: Pit + mound topog, upland sp. growing on mounds

**HYDROLOGY**

_____ Recorded Data (Described in Remarks): _____ Stream, Lake, or Tide Gauge _____ Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> _____ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water: _____ (in.)  Depth to Free Water in Pit: _____ (in.)  Depth to Saturated Soil: _____ (in.)	
Remarks:	

Wetland  
WTG 44-C-551

**SOILS**

Map Unit Name (Series and Phase): _____		Drainage Class: _____			
Field Observations Confirm Mapped Type? YES NO					
Profile Description:					
Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-12+ 8-12+	O/A Bg	2-5Y 5/2	ox Rizo 2-5R 4/6	> 5%	Sandy loam
Hydric Soil Indicators:  - low chroma colors					
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle) Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle)
Remarks:	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BCE</u>	Date: <u>5/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes    No Is the site significantly disturbed (Atypical Situation)?    Yes    No Is the area a potential Problem Area?                    Yes    No (If needed, explain on reverse.)	Community ID: <u>WPLand</u> Transect ID: _____ Plot ID: _____  <u>WT6 44-C-552</u>

**VEGETATION**

	Dominant Plant Species	Stratum	Indicator		Dominant Plant Species	Stratum	Indicator
1	<u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	9			
2	<u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10			
3	<u>Prunus serotina</u>	<u>Sh</u>	<u>FACU</u>	11			
4	<u>Picea americana</u>	<u>Sh</u>	<u>FACU</u>	12			
5	<u>Pinus strobus</u>	<u>H</u>	<u>FACU</u>	13			
6	<u>Can. maple</u>	<u>L</u>	<u>FACU</u>	14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 33

Remarks:

**HYDROLOGY** NONE

<input type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	
Remarks:	

Orland  
 WTC 44-C-552

**SOILS**

Map Unit Name \_\_\_\_\_  
 (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-3	A	10YR 3/1			
3-8	B <sub>w1</sub>	10YR 3/3			
8-10 <sup>+</sup>	B <sub>w2</sub>	10YR 4/4			

Hydric Soil Indicators:

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No (Circle)	(Circle)
Wetland Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Is this Sampling Point Within a Wetland?			Yes <input checked="" type="radio"/> No

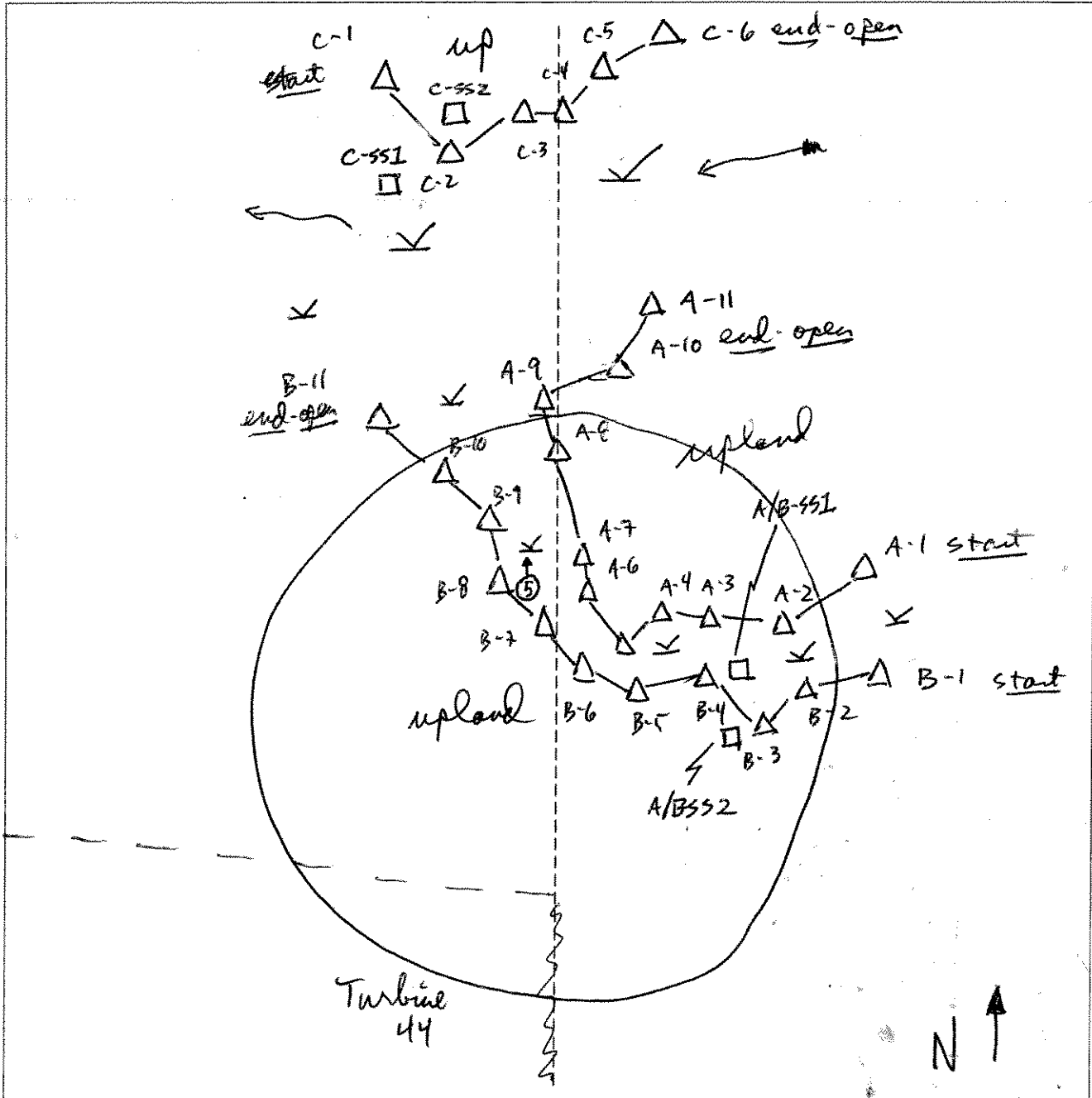
Remarks:

Approved by HQUSACE 3/92



SKETCH FORM

Wetland ID/Route #: <i>WTG 44 A/B/C</i>	Date: <i>5/17/06</i>	Time: <i>4:05</i>
Initials of Delineators: <i>BQ-RJ</i>	Location:	
Roll #:	Frames: <i>photos facing N along center line</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

05 81.2  
brothel

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RTD, JD</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTG-47A-SS1</u>

**VEGETATION**

Plant Community Classification: PSS PEM  
Percent Canopy Cover: Tree: 0 Shrub: 75% Herb: 85% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SILKY WILLOW</u>	<u>S</u>	<u>OBL</u>	9.		
2. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>S. Bush</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>J. EFFUSIS</u>	<u>H</u>	<u>FACW+</u>	12.		
5. <u>Carex sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>N.L. G. Red</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Grass sp.</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <u>11 8 0 12/1/02</u> <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>2"</u>	
Remarks: <p style="text-align: center;"><u>122 to 34 ← photo #1</u></p>	

Date: 5-18-06  
 Community ID: Wetland  
 Plot ID: WTR-47A-SS2

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class: U1

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-3/1	-		Silty clay loam
		10YR-4/1			

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

**Remarks:**

Refusal @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

**Remarks**

Photo #6 => NE at SSI

NO. 817  
briqn

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <b>Marble River</b> Applicant/Owner: <b>Marble River LLC</b> Investigator: <b>RTO JV</b>	Date: <b>5-18-06</b> County: <b>Clinton</b> State: <b>NV</b>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <b>Upland</b> Transect ID: Plot ID: <b>47A</b> <b>WTG-118552</b>

**VEGETATION**

Plant Community Classification: <b>Early successional pasture</b>					
Percent Canopy Cover: Tree: <b>0</b> Shrub: <b>5%</b> Herb: <b>100%</b> Vine: <b>0</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <b>Canada g. Red</b>	H	FACU	9. <b>cow vetch</b>	H	UPC
2. <b>White Clover</b>	H	FACU-	10. <b>Gross sp.</b>	H	
3. <b>Dandelion</b>	H	FACU	11.		
4. <b>R. clop</b>	H	FAC-	12.		
5. <b>Strawberry</b>	H	UPL	13.		
6. <b>A. Clover</b>	H	FACU-	14.		
7. <b>Common Plantain</b>	H	FACU	15.		
8. <b>Fall Dandelion</b>	H	UPL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>10%</b>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <b>N/A</b></p> <p>Depth to Free Standing Water in Pit (in.): <b>N/A</b></p> <p>Depth to Saturated Soil (in.): <b>N/A</b></p>	<p>Remarks:</p>

Date: 5-18-06  
 Community ID: Upland  
 Plot ID: WTG-47A 552

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR-3/2	-	-	Silt loam
10-16	A <sub>1</sub>	7.5YR-5/2	-	-	Sandy loam
16-18	A <sub>2</sub>	7.5YR-4/1	-	-	Sandy loam w/ gravel

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

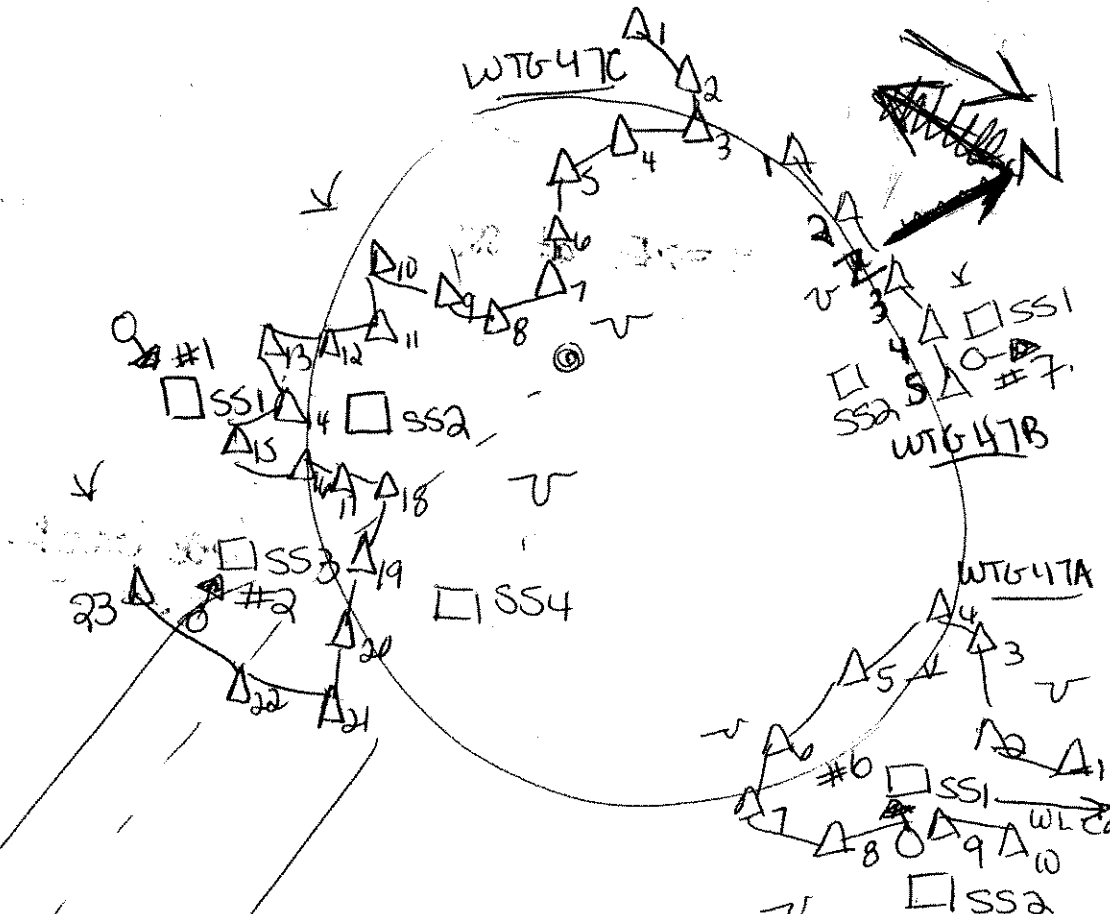
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

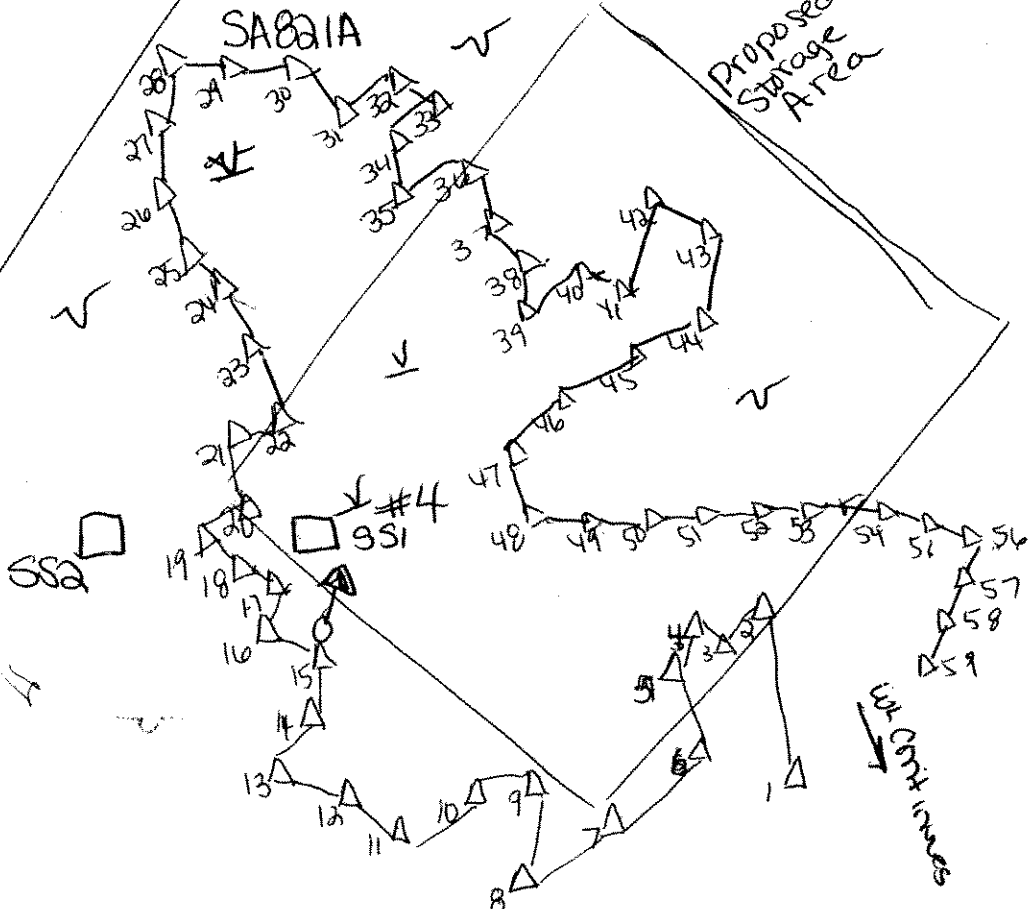
Access Rd

WTG 47C



SABIA

Proposed Storage Area



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-19-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTG47C-SSI</u>

**VEGETATION**

Plant Community Classification: PFO1  
Percent Canopy Cover: Tree: 50% Shrub: 70% Herb: 30% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Spruce</u>	<u>T</u>	<u>FACU</u>	9. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>
2. <u>Grey Birch</u>	<u>T/S</u>	<u>FAC</u>	10. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>
3. <u>Balsam Fir</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	12.		
5. <u>Salix sp</u>	<u>T</u>	<u>-</u>	13.		
6. <u>Service berry</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>JEFFUSIS</u>	<u>H</u>	<u>FACW+</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 67%

Remarks:  
\* Not listed; presumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4" in spots</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5.19.06  
 Community ID: Wetland  
 Plot ID: WTG 47C - SSI

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class:  Field Observations Confirm Mapped Type? Yes No
--	--

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A <sub>1</sub>	10YR-3/1	=	=	Silt loam
8-14	A <sub>2</sub>	10YR-4/4	=		Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

Refusal @ 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

#1 => E at SSI



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-19-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WTG 47C-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Woodland</u>					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>30%</u> Herb: <u>15%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>R.S. G. Rod</u>	<u>H</u>	<u>FAC</u>
2. <u>B. Fir</u>	<u>T</u>	<u>FAC</u>	10. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>
3. <u>G. Birch</u>	<u>S</u>	<u>FAC</u>	11. <u>Burchberry</u>	<u>H</u>	<u>FAC-</u>
4. <u>Hawthorn</u>	<u>S</u>	<u>UPL</u>	12. <u>Mauflower</u>	<u>H</u>	<u>FAC-</u>
5. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Blk Cherry</u>	<u>S</u>	<u>FACU</u>	14.		
7. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>L.B. Blub.</u>	<u>S</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>46%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-19-06  
 Community ID: Upland  
 Plot ID: WTB-46C-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-2/1			Organics
2-8	A	10YR-3/2			SiH loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal @ 8"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5.19.06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WT647C-SS3</u>

**VEGETATION**

Plant Community Classification: <u>PSS</u>					
Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>75%</u> Herb: <u>90%</u> Vine: <u>∅</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>N.W. Cedar *</u>	<u>T</u>	<u>OBL</u>	9. <u>Cinnamon Fern</u>	<u>H</u>	<u>FACU</u>
2. <u>G. Birch</u>	<u>T/S</u>	<u>FAC</u>	10. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>
3. <u>R. Maple</u>	<u>S</u>	<u>FAC</u>	11. <u>R.S. Q. Rod</u>	<u>H</u>	<u>FACW</u>
4. <u>Silky Willow</u>	<u>S</u>	<u>OBL</u>	12. <u>J. effusus</u>	<u>H</u>	<u>FACW+</u>
5. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>S. Bush</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>Carex sp</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Narrowleaf Q. Rod</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>83%</u>					
Remarks: *Fringes of wetlands					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ( <u>8"</u> ) <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>2" in spots</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date: 5-19-06  
 Community ID: wetland  
 Plot ID: WTG466-553

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A <sub>1</sub>	10YR-3/1	-	-	Silty Clay loam
8-14	A <sub>2</sub>	10YR-3/1	-	-	Silty Clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:  
 Refusal @ 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks:  
 Photo #2 => NW at 553

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: _____	Date: <u>5.19.06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: _____ Plot ID: <u>WTFG47C-554</u>

**VEGETATION**

Plant Community Classification: <u>Forest Edge</u> Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>70%</u> Herb: <u>40%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Hawthorn</u>	<u>S</u>	<u>UPL</u>
2. <u>B. Fir</u>	<u>T</u>	<u>FAC</u>	10. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>
3. <u>G. Birch</u>	<u>S</u>	<u>FAC</u>	11. <u>Harrow</u>	<u>H</u>	<u>FACU</u>
4. <u>Am. Beech</u>	<u>S</u>	<u>FACU</u>	12. <u>Clubmoss</u>	<u>H</u>	<u>FACU</u>
5. <u>Malus sp.</u>	<u>T</u>	<u>-</u>	13. <u>Grass sp</u>	<u>SP</u>	<u>-</u>
6. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>	14. <u>Troutlily</u>	<u>H</u>	<u>FAC</u>
7. <u>Bk. Cherry</u>	<u>S</u>	<u>FACU</u>	15. _____		
8. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	16. _____		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>46%</u>					
Remarks: _____					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks: _____	

Date: 5-19-06  
 Community ID: Upland  
 Plot ID: SWTG-47C-SS4

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2	-	-	Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal @ 8"

**WETLAND DETERMINATION**

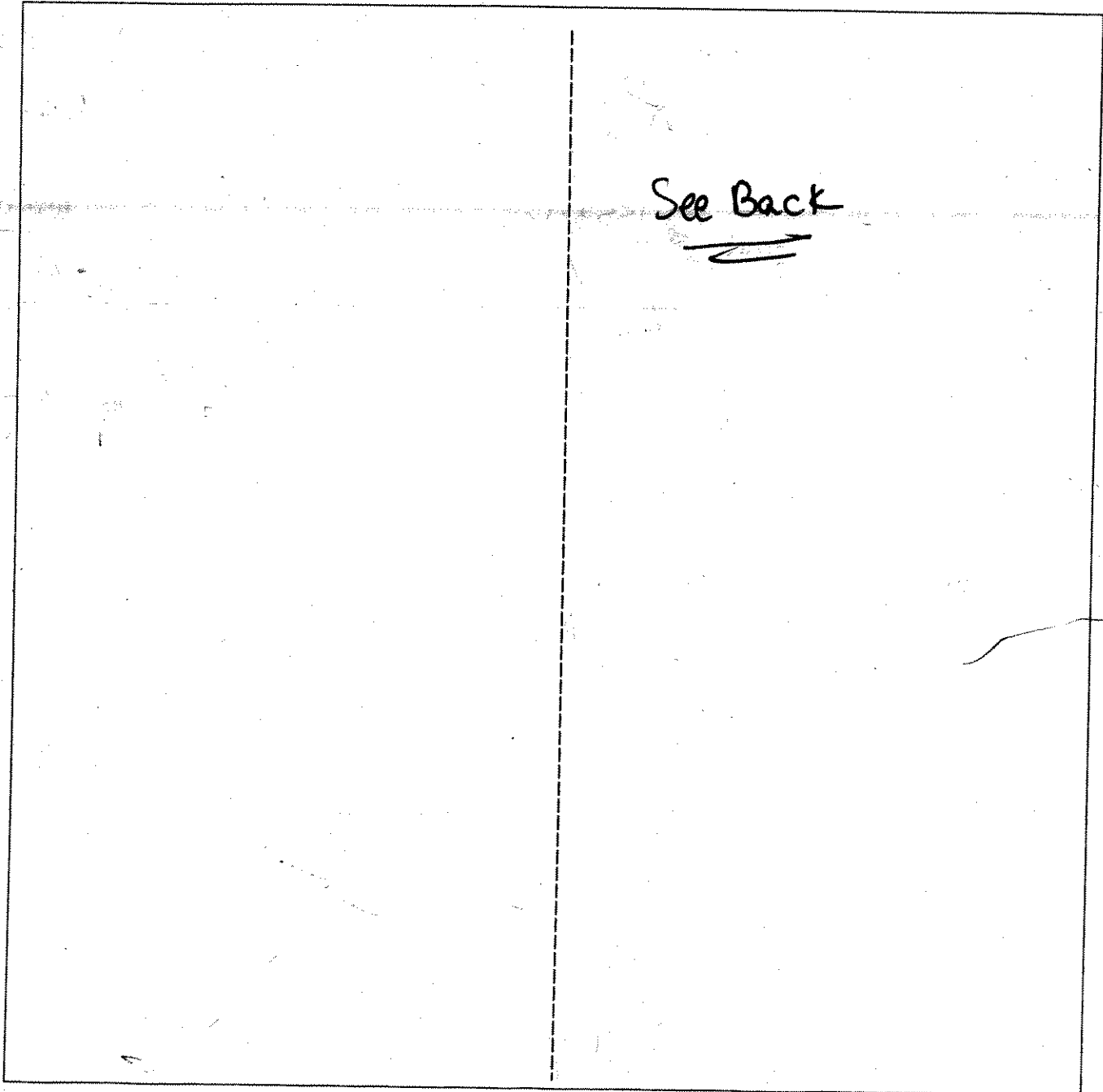
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

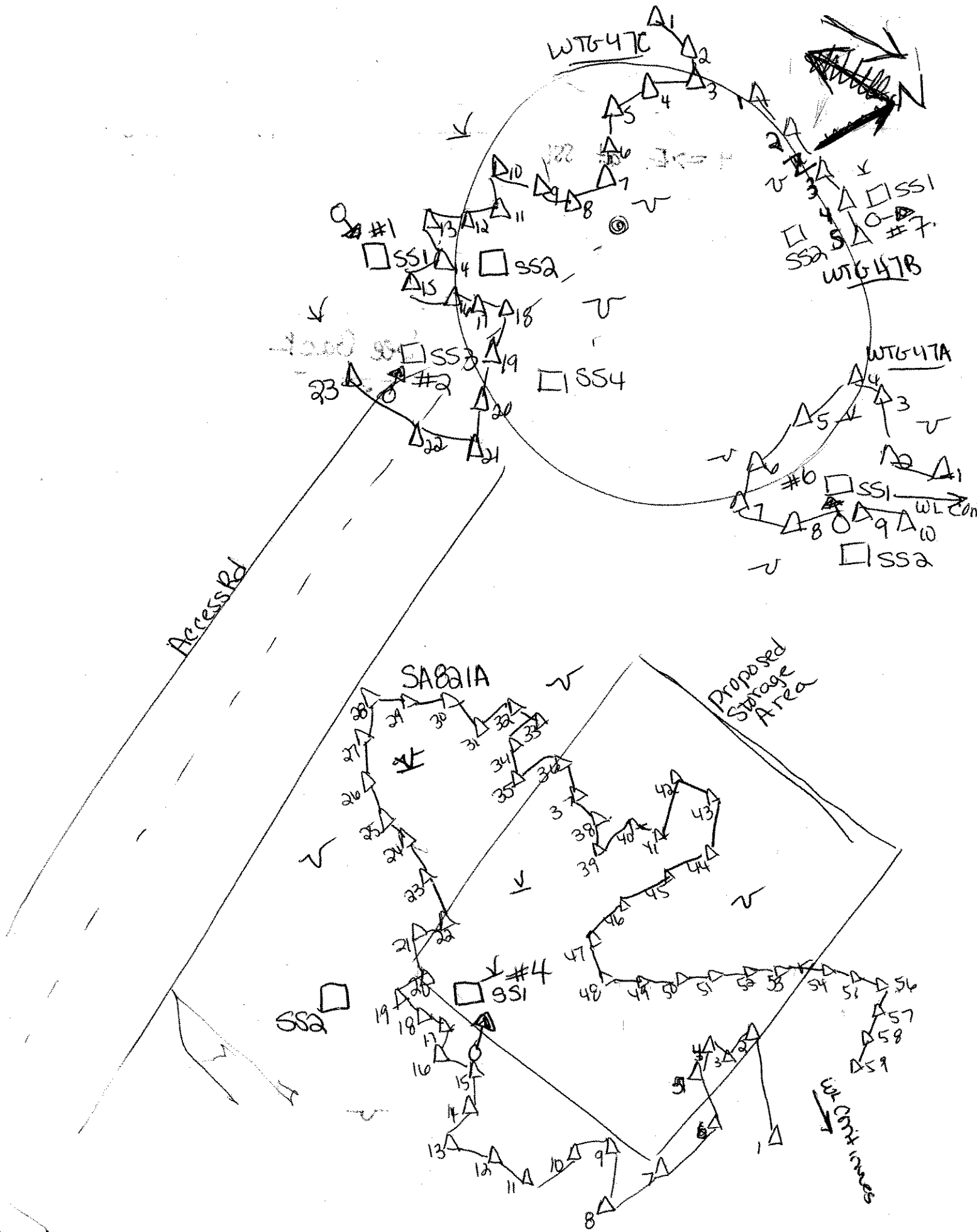
Wetland ID/Route #: <u>SA020A, WTG47A/B/C</u>		Date: <u>5-18-06</u>	Time:
Initials of Delineators: <u>BJD JV SA</u>		Location: <u>Storage Area to WTG47 and turbine</u>	
Roll #:	Frames: <u>AR020A</u>	<u>WTG47A</u>	<u>WTG47B</u>
	<u>4 =&gt; E at SSI</u>	<u>6 =&gt; W @ SSI</u>	<u>7 =&gt; N @ SSI</u>
		<u>WTG47C</u>	<u>1 =&gt; E @ SSI</u>

4 = WTG47A  
 5 = WTG47B  
 6 = WTG47C  
 7 = NW SSI



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project Site: <u>CLINTON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/29/05</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PEM/SS</u> Transect ID: <u>WTE48B</u> Plot ID: <u>851</u>

**VEGETATION** PEM/SS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>2%</u> Shrub: <u>50%</u> Herb: <u>15%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>JUNCUS EFFUSUS</u>	<u>#</u>	<u>FACW</u>	9.		
2. <u>RAIDERSNAKE GRASS</u>	<u>#</u>	<u>OBL</u>	10.		
3. <u>CAREX LURIDA</u>	<u>#</u>	<u>OBL</u>	11.		
4. <u>GLOBY BIRCH</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>SEEPER BUSH</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>WOOL GRASS</u>	<u>#</u>	<u>FACW</u>	14.		
7. <u>GREEN BIRCH</u>	<u>#</u>	<u>OBL</u>	15.		
8. <u>BAM WILLOW</u>	<u>S</u>	<u>FACW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>UP TO 3" IN PLACES</u>  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):  Taxonomy (SubGroup):	Drainage Class: <b>FEM S/S</b>  Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE		
2-4	A	10YR 4/2	10YR 6/3 10YR 2/2	M/L/M M/C/D	CLAY LOAM

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: **AUGER REPT @ 6" 0" TO WATER**

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		(Circle)		(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No			Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No			Is this an Isolated Wetland?	<input checked="" type="radio"/> Yes <input type="radio"/> No

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>CANTON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/05</u> County: <u>CLENTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>W1648B</u> Plot ID: <u>SS2</u>

**VEGETATION** UPLAND SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>70%</u>	Shrub: <u>2%</u>	Herb: <u>20%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>WHORLED ASTER</u>	<u>H</u>	<u>UPLAND</u>	9. <u>LOW BUSH SWEBERRY</u>	<u>S</u>	<u>FACU</u>
2. <u>BUNCH BERRY</u>	<u>H</u>	<u>FAC-</u>	10. <u>WILD ROSE</u>	<u>H</u>	<u>FAC</u>
3. <u>AMERICAN BERRY</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>GREY BIRCH</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>CHRISTMAS FERN</u>	<u>H</u>	<u>OPL</u>	14.		
7. <u>BIG BOWL ASPEN</u>	<u>T</u>	<u>FACU-</u>	15.		
8. <u>BRACKEN FERN</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>30%</u>					
Remarks: <u>NOT LISTED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1	NONE	---	SANDY SCLT
2-6	B	10YR 6/1	NONE	---	SANDY LOAM

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: AUGER REFUSAL @ 6"  
NO WATER

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	(Circle)	(Circle)
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No		
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes <input checked="" type="radio"/> No

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <i>MARDIE RIVER</i>	Date: <i>5/19/06</i>
Applicant/Owner: <i>MARDIE RIVER, LLC</i>	County: <i>Clinton</i>
Investigator: <i>GM, Jr.</i>	State: <i>IN</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>WETLAND</i> Transect ID: <i>WTG 50A</i> Plot ID: <i>851</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No	
(If needed, explain on reverse.)	

**VEGETATION** *TPO Decid / Conifer Mix*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80%</i> Shrub: <i>40%</i> Herb: <i>40%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus sp</i>	<i>T/S</i>	<i>EAC</i>	9. <i>ASTOR SP.</i>	<i>H</i>	<i>-</i>
2. <i>Gaylussacia</i>	<i>F/S</i>	<i>EAC</i>	10.		
3. <i>Red maple</i>	<i>F/S</i>	<i>EAC</i>	11.		
4. <i>Meadow sweet</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>Cornus sp</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Juncus weed</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>S. sp</i>	<i>H</i>	<i>FACW+</i>	15.		
8. <i>Sp. in pen</i>	<i>H</i>	<i>FACW</i>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>WETLAND OCCURS WITH AN OLD LOGGING RD. &amp; EXTENDS EAST INTO A LOGGED AREA</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>4" in road</i> Depth to Free Standing Water in Pit (in.): <i>0"</i> Depth to Saturated Soil (in.): <i>0'</i>	
Remarks:	

Date: 5/19/06  
 Community ID: WETLAND  
 Plot ID: WTB 30A-501

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	Silt Dar
6-12	D	10YR 4/1	10YR 4/6	Con. fine / dist	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Profile of August 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARINE RIVER</u> Applicant/Owner: <u>MARINE RIVER LLC</u> Investigator: <u>TDJ JV</u>	Date: <u>5/19/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>W050A</u> Plot ID: <u>SS2</u>

**VEGETATION** FURST BDK - Decid UPLAND

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>75%</u> Herb: <u>70%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED WALKER</u>	<u>T/S</u>	<u>FAC</u>	9. <u>MAI FLOWER</u>	<u>H</u>	<u>FAC-</u>
2. <u>GRAY BIRD</u>	<u>T/S</u>	<u>FAC</u>	10. <u>WOOD BURN</u>	<u>H</u>	<u>FAC</u>
3. <u>BK CHERRY</u>	<u>S</u>	<u>FACU</u>	11. <u>MT SIDER</u>	<u>S</u>	<u>FAC</u>
4. <u>MEADOW SWEET</u>	<u>S</u>	<u>FACW</u>	12. <u>R.S. GOLDENROD</u>	<u>H</u>	<u>FAC</u>
5. <u>NARY BERRY</u>	<u>S</u>	<u>FAC</u>	13. <u>DONG FIR</u>	<u>S</u>	<u>FAC</u>
6. <u>HIL BLACKBERRY</u>	<u>S</u>	<u>FACU-</u>	14.		
7. <u>TRIT LILY</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>STRAWBERRY</u>	<u>H</u>	<u>UPL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 5/19/06  
 Community ID: upland  
 Plot ID: WTB-50A-852

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-18	A	10YR-4/3			Silty Clay Loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

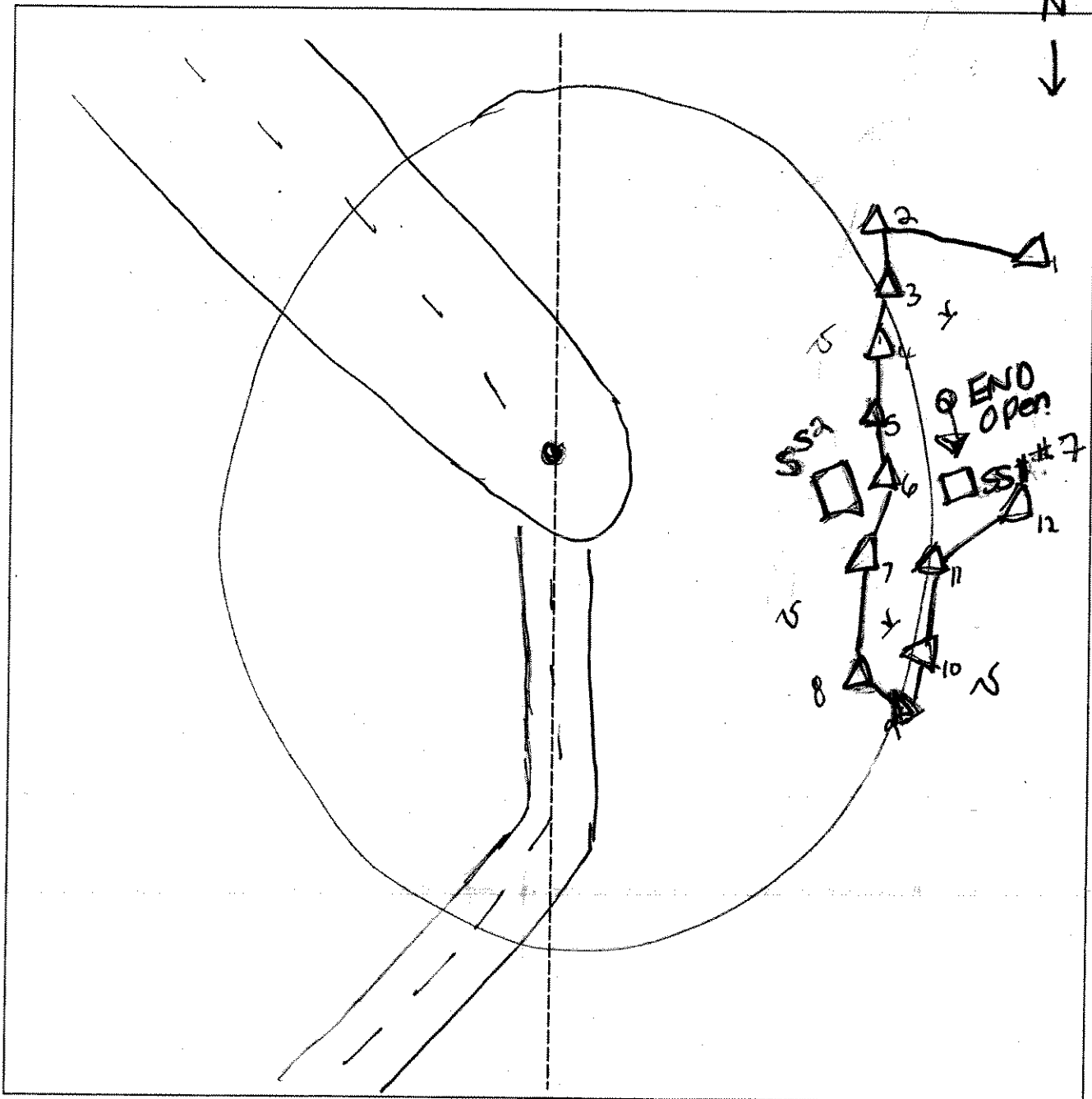
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: WTG 50A	Date: 5-19-06	Time:
Initials of Delineators: RJB JV	Location: Turbine Buffer WTG 50	
Roll #:	Frames:	7 => N of SSI from flag B



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u>	Date: <u>5-19-04</u>
Applicant/Owner: <u>Marble River LLC</u>	County: <u>Clinton</u>
Investigator: <u>RJD JV</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTSIA-SS</u>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: PEO  
Percent Canopy Cover: Tree: 85% Shrub: 20% Herb: 45% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. R. maple	T/S	FAC	9. Water penny	H	—
2. G. Birch	T	FAC	10. Sphagnum	H	OBL*
3. M. Sweet	S	FACW	11.		
4. S. berry	S	FAC	12.		
5. Interrupted Fern	H	<del>FAC</del>	13.		
6. J. effusus	H	FACW*	14.		
7. Carex cinata	H	OBL	15.		
8. Carex sp	H	—	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
Sensitive Fern +  
\* Not listed; Presumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>6"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	Remarks: Areas of open water Photo 9 => <u>E</u> at SS1

Date: 5-19-06  
 Community ID: Wetland  
 Plot ID: WT651A 81

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8 8-16	A B	10YR-2/1 10YR-5/1	— —	— —	Silt loam w/ organics Silty clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD</u>	Date: <u>5-19-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WTG 51A - 552</u>

**VEGETATION**

Plant Community Classification: <u>Upland Deciduous Forest</u>					
Percent Canopy Cover: Tree: <u>85%</u> , Shrub: <u>40%</u> , Herb: <u>15%</u> , Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Cherry</u>	<u>T/S</u>	<u>FACU</u>	9.		
2. <u>S. Maple</u>	<u>T/S/M</u>	<u>FACU-</u>	10.		
3. <u>Svc. Berry</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Trout Lill</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Mary Flower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Solomon Seal</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33.1</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: 5-19-06  
 Community ID: Upland  
 Plot ID: WTG51A0552

**SOILS**

Map Unit Name (Series and Phase):  
 Drainage Class:  
 Taxonomy (SubGroup):  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-16	A	10YR-4/1			Silty clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal @ 16"

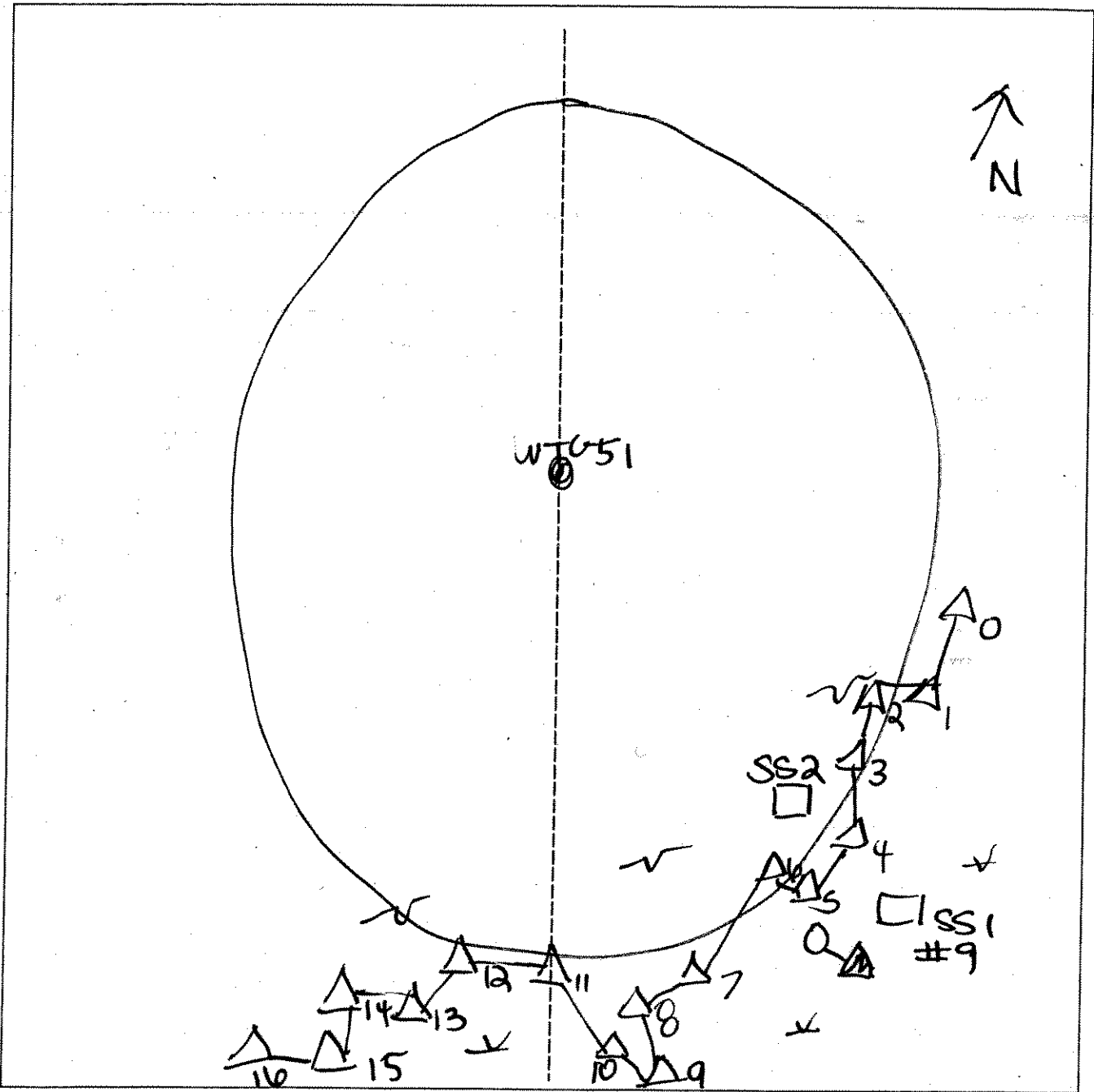
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: WTG 51	Date: 5.19.06	Time:
Initials of Delineators: RSD, JV	Location: Buffer of WTG 51A	
Roll #:	Frames: #9 => E @ SS1	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

WTG51A/AR825  
LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/6/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: PFO1 Transect ID: Plot ID: WTG51-A/AR825

AK852-AB BSI

**VEGETATION**

Plant Community Classification: Red maple Mesic  
Percent Canopy Cover: Tree: 70 Shrub: 05 Herb: 80 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Phanum m... ~50%</i>	H	OBL
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Fraxinus</i> sp.	T		11.		
4. <i>Abies bicolor</i>	S	FAC	12.		
5. <i>Viburnum lentago</i>	S	FAC	13.		
6. <i>Betula populifolia</i>	S	FAC	14.		
7. <i>Erythronium americanum</i>	H	FAC	15.		
8. <i>Thymus Fely Fumina</i>	H	FAC	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



Date: 5/6/07  
 Community ID: PPA  
 Plot ID: WTG 51-A/AREAS  
 AREA AB SSI

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			Organics
2-5	A	10YR 2/1			SILT
5-9	B <sub>1</sub>	10YR 3/2			SILT
9-11	B <sub>2</sub>	10YR 3/4	2.5Y 4/1	common, med. dist.	SILT Loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input checked="" type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks DEC WL  
 Although Area is significantly disturbed due to recent logging. Local topography slopes into WL from the N.  
 Heard woodpecker tapping tree w/ WL  
 photo 1 = S

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JN AP</i>	Date: <i>5/7/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>WTC-51/AR825</i>

*AR850-AB 55a*

**VEGETATION**

Plant Community Classification: <i>Logged Deciduous woods</i>					
Percent Canopy Cover: Tree: <i>35</i> Shrub: <i>20</i> Herb: <i>25</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Fraxinus sp</i>	<i>T</i>	<i>—</i>	10.		
3. <i>A. rubrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Viburnum lentago</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Erythronium americanum</i>	<i>H</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>250%</i>					
Remarks: <i>cannot i.d. specie b/c time of year</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>NA</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>NA</i> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/6/07  
 Community ID: UPL  
 Plot ID: WTG51A/AB025  
 AB052AB

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_ 552  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	1A	10YR 2/1			Soft loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: 75% root / organics in top 4"

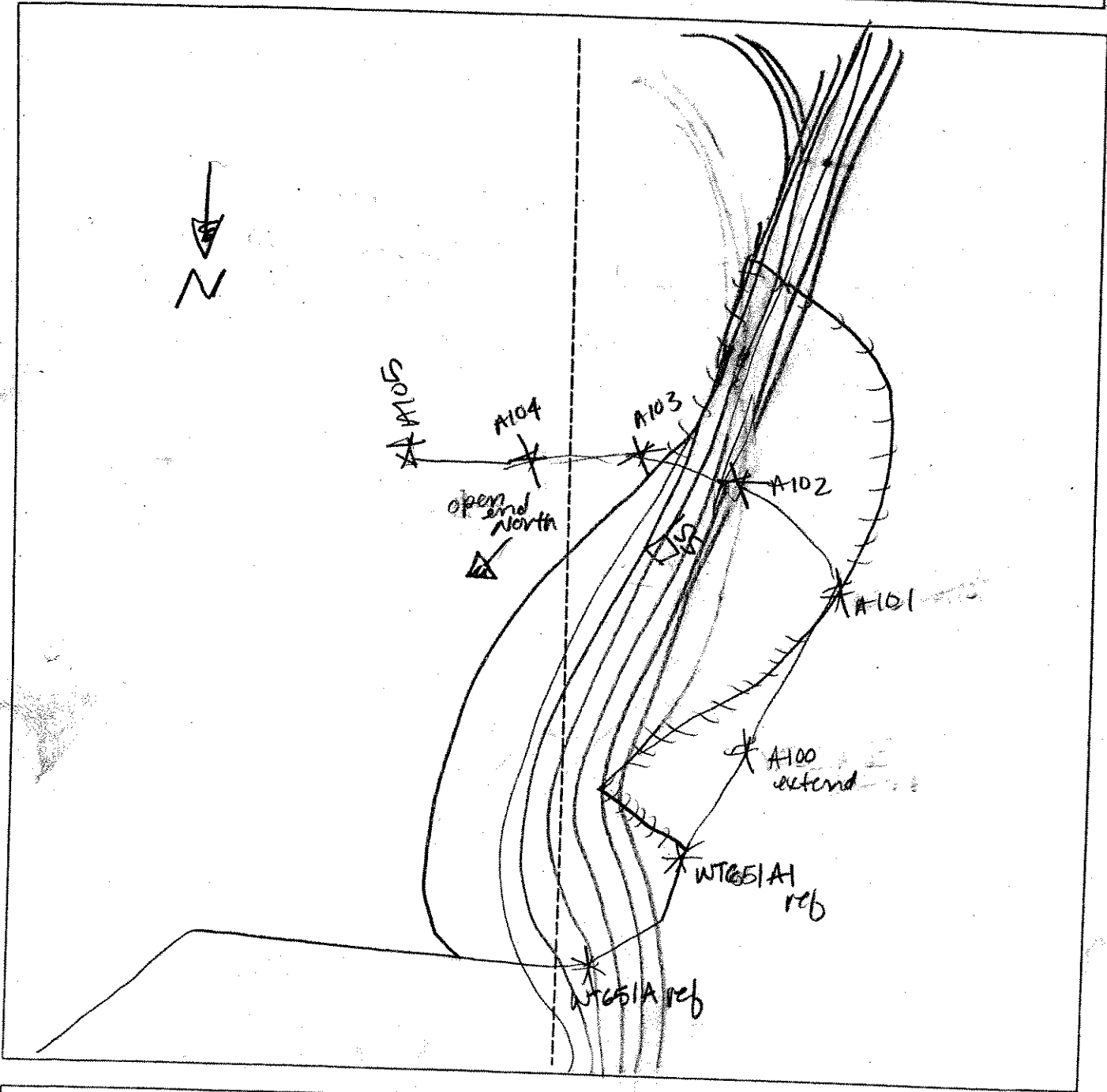
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present? <input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks: Area has recently been logged. Soils are very disturbed and mature woody vegetation harvested. Heard woodpecker tapping tree w/ rd

# SKETCH FORM

<b>Wetland ID/Route #:</b> WT651 EXT	<b>Date:</b> 6 May 07 <b>Time:</b>
<b>Initials of Delineators:</b> JV: AP	<b>Location:</b> WT651A
<b>Roll #:</b> <b>Frames:</b>	



Legend	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
△	Flag
V	Wetland
U	Upland
—	Stream
- - -	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <i>Clinton Co. Wind Farm</i> Applicant/Owner: <i>HORRISON</i> Investigator: <i>J. Arnett, S. Ryan</i>	Date: <i>7 Oct 2005</i> County: <i>Clinton Co.</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>WTG 52 A 55-1</i>

**VEGETATION**

*PEM*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Agrostis sp. 40</i>	<i>Herb</i>	<i>FACW</i>	<i>9.</i>		
<i>2. Sorghum microcephalum 40</i>	<i>Herb</i>	<i>OBL</i>	<i>10.</i>		
<i>3. Andropogon arundinaceus 20</i>	<i>Herb</i>	<i>FACU</i>	<i>11.</i>		
<i>4.</i>			<i>12.</i>		
<i>5.</i>			<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>narrow wetland in hay field - possibly old ditching?</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>0</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>Sopping wet at surface</i>	

ID: WTG S2-ASS1

**SOILS**

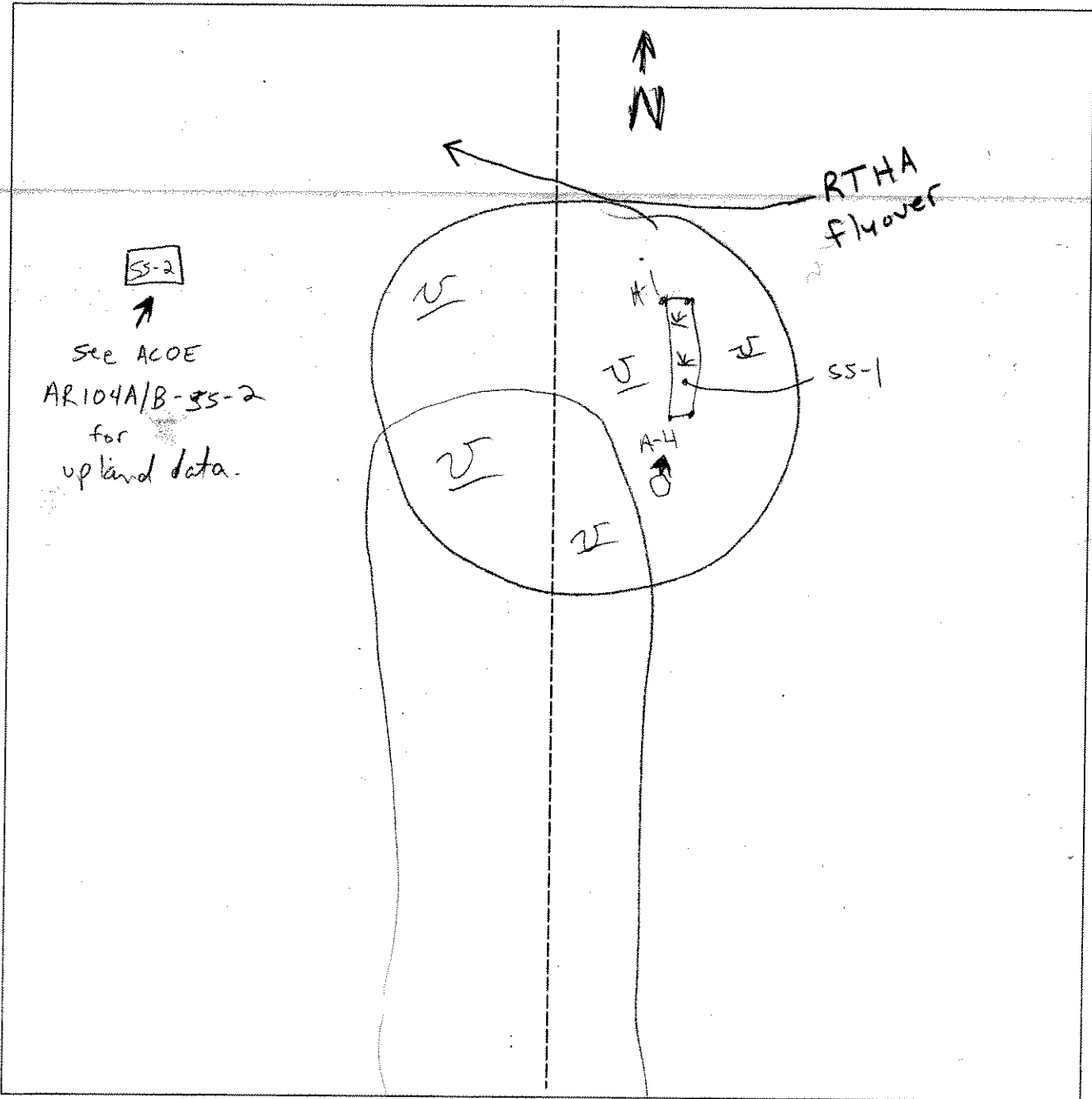
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	A	10YR 2/1			silt loam
1-10+	B	10YR 5/2	10YR 5/8	Few distinct med	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	
Wetlands Hydrology Present?	Yes	No	(Circle)
Hydric Soils Present?	Yes	No	(Circle)
			Is this Sample Station Point Within a Wetland? Yes No
			Is this an Isolated Wetland? Yes No
Remarks: Very small, apparently isolated wetland in a mowed hay field. Two (at least) other parallel depressions in this field suggest historical ditching or drain tiles.			

### SKETCH FORM

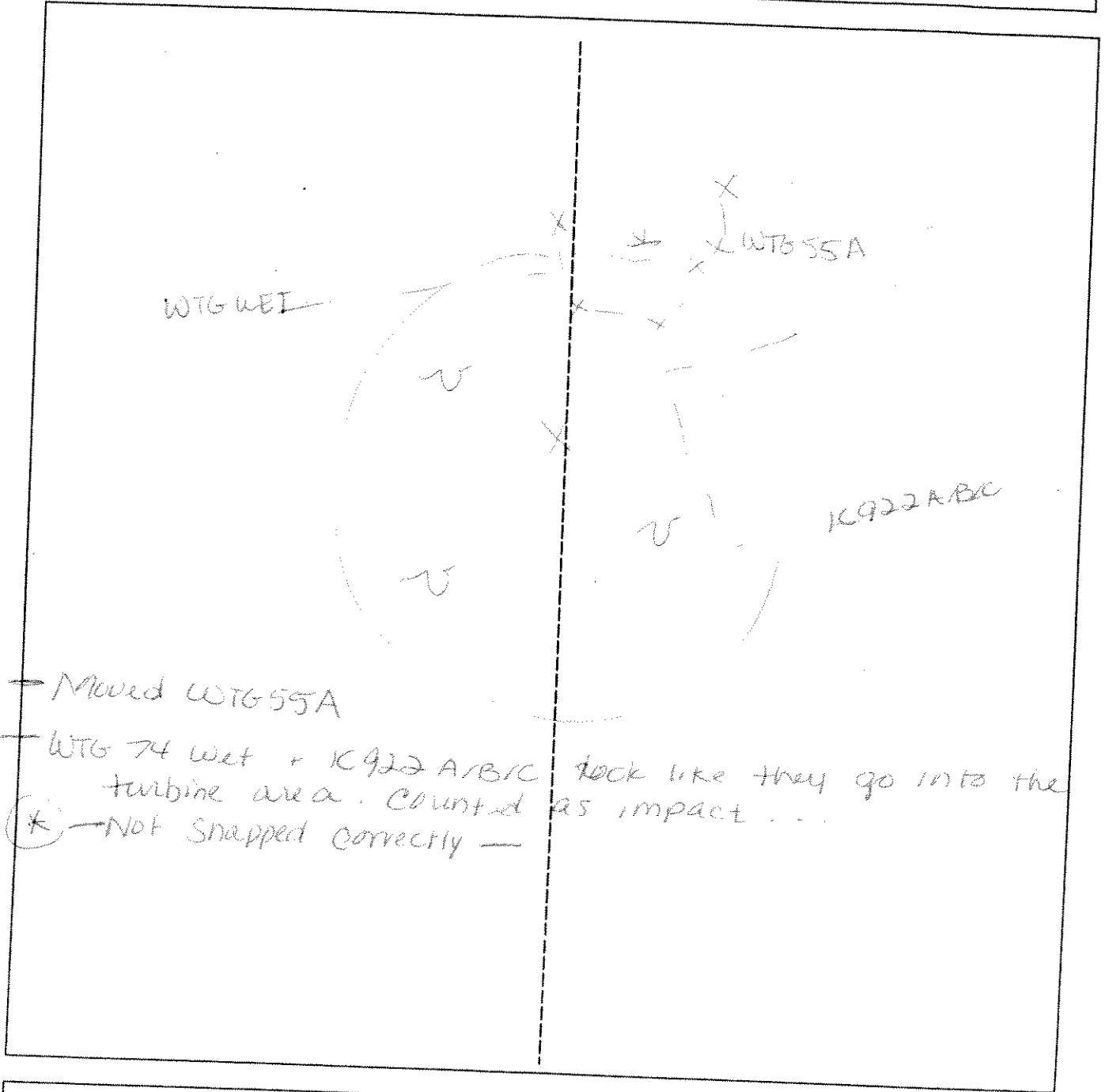
<b>Wetland ID/Route #:</b> WTG 52A	<b>Date:</b> 10-7-05	<b>Time:</b> 12:00
<b>Initials of Delineators:</b> SR JA	<b>Location:</b> Clinton County Wind Farm	
<b>Roll #:</b> <b>Frames:</b> Photo looking NW		



Legend	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∇	Wetland
—	Upland
—	Stream
- · -	Intermittent Stream

### SKETCH FORM

<b>Wetland ID/Route #:</b> WTG 55 A	<b>Date:</b> 10/15/00
<b>Initials of Delineators:</b> J.B. / J.V.	<b>Time:</b>
<b>Roll #:</b>	<b>Location:</b> T. 55 + AR
<b>Frames:</b>	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCC</i>	Date: <i>5/19/05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>WTG 57A-551</i>

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Salix sp</i>	SC	ASW WET	9.			
2. <i>Spice latifolia</i>	SC	FAC H	10.			
3. <i>Carex sp.</i>	H	ASW WET	11.			
4. <i>Sphagnum</i>	H	OBL	12.			
5. <i>Juncus tenuis copensis</i>	H	FAC W	13.			
6. <i>Iris sp.</i>	H	OBL	14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>4"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/19/06  
 Community ID: wetland  
 Plot ID: WTC 57-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	2.5Y 2.5/1	7.5 YR 3/4		
10-18"	Bg	2.5Y 6/1	10 YR 5/6		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Island</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCR</i>	Date: <i>5/19/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes <input checked="" type="radio"/> <i>Hay</i> Is the site significantly disturbed (Atypical Situation)?    Yes <input checked="" type="radio"/> <i>field</i> Is the area a potential Problem Area?                            Yes <input checked="" type="radio"/> <i>NO</i> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 57-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree: <i>0</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Taraxacum officinale</i>	H	FACU-	9.		
2. <i>Vicia sativa</i>	H	UPL	10.		
3. <i>Galium mollugo</i>	H	UPL	11.		
4. <i>UK grass</i>			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks: <i>Hay field but veg ok for determination</i>					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/19/06  
 Community ID: Upland  
 Plot ID:

WTG 57A-952

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	Ap	10YR 8/2	7.5YR 4/4	< 2%	Sandy, brown

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/>	<input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/>	<input checked="" type="radio"/>	
Hydric Soils Present?	Yes	<input type="radio"/>	<input checked="" type="radio"/>	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Mable River Wind</i> Applicant/Owner: <i>Mable River LLC</i> Investigator: <i>WLE</i>	Date: <i>5/19/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>WT 0 57 B-991</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>25</i> Herb: <i>90</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Salix sp</i>	<i>SH</i>	<i>ArsumAet</i>	<i>9.</i>		
<i>2. Spina latifolia</i>	<i>SH</i>	<i>FAC+</i>	<i>10.</i>		
<i>3. Juniperus communis</i>	<i>H</i>	<i>FACW+</i>	<i>11.</i>		
<i>4. Juniperus sp.</i>	<i>H</i>	<i>FACW</i>	<i>12.</i>		
<i>5. Vernonia villosa</i>	<i>H</i>	<i>FACW</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>6-12"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/20/06  
 Community ID: Wetland  
 Plot ID: WTC 57-13-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-16	Ap	2.5Y 2.5/1	7.5YR 3/4	75%	Sandy loam
16-181	Bq	2.5Y 5/1	8.5YR 3/4	75%	Sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
DEC wetland			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wad</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/20/06</i> County: <i>Clinken</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No
	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 57 B SS2</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>45</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Betula populifolia</i>	T	FAC	9. <i>Corylus cornuta</i>	Sh	FACW
2. <i>Prunus serotina</i>	T	FACU	10.		
3. <i>Morus sp</i>	T	NI	11.		
4. <i>Prunus serotina</i>	Sh	FACW	12.		
5. <i>Populus tremula</i>	Sh	FACU	13.		
* 6. <i>Spirea latifolia</i>	Sh	FACU	14.		
7. <i>Solidago sp (early)</i>	H		15.		
8. <i>etc grass</i>	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>27%</i>					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 5/20/06  
 Community ID: vpland  
 Plot ID: WT657-B-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-15	Ap	10YR 7/2	None		
15-18 <sup>+</sup>	Bw	10YR 4/4	None		

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

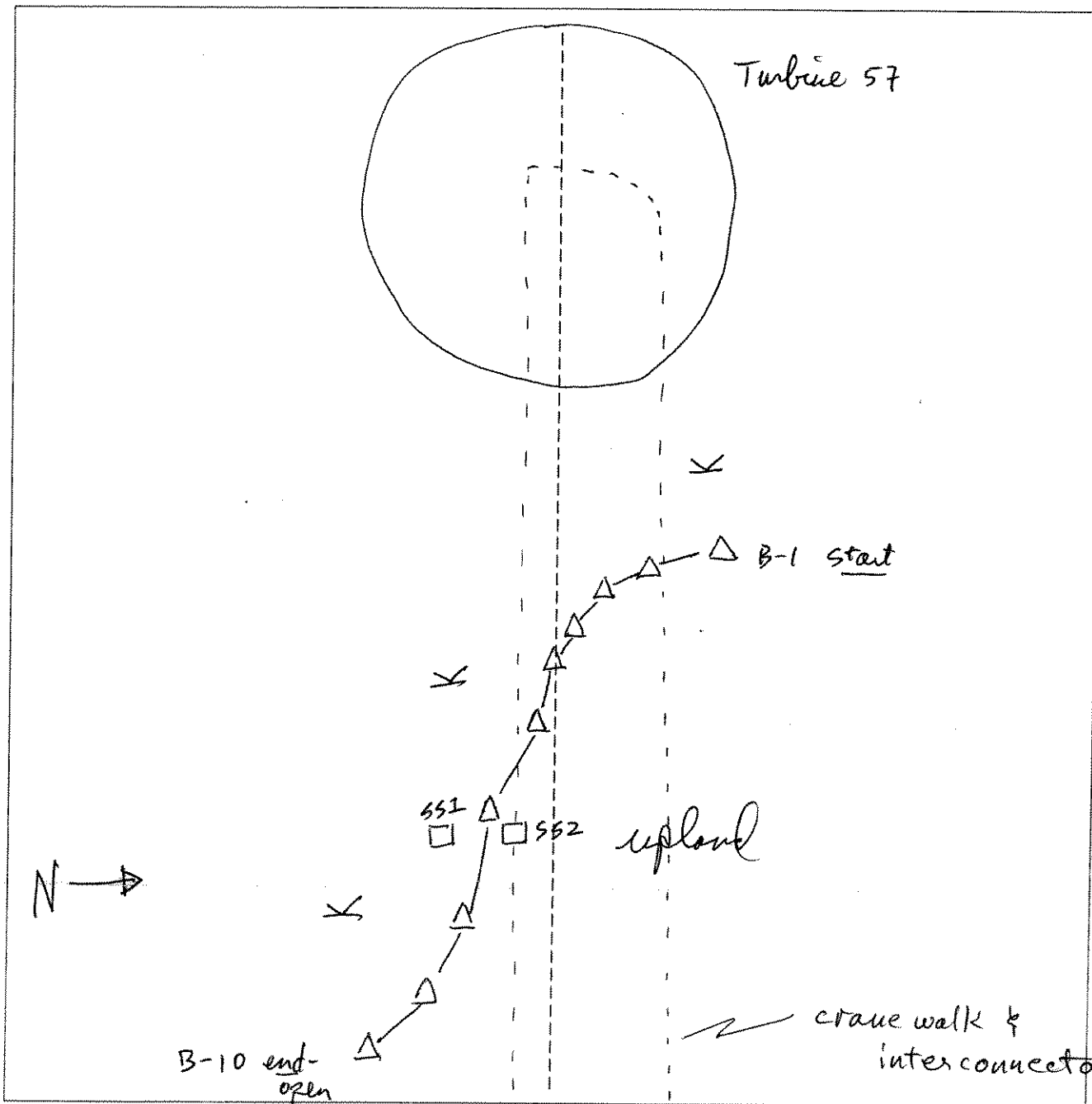
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes <u>No</u>	
Hydric Soils Present?	Yes <u>No</u>	

Remarks: DEC Wetland

SKETCH FORM

Wetland ID/Route #: <i>WTB 57 B</i>	Date: <i>5/20/06</i>	Time:
Initials of Delineators: <i>BQ-RJ</i>	Location:	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </div> <div style="text-align: center;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </div> </div>
Community ID: PSS Transect ID: Plot ID: WT657-AB-SSI	

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: 0 Shrub: 20 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salix hebbiana	S	FWW	9.		
2. Spiraea latifolia	S	FAC	10.		
3. Betula papyrifera	S	FAC	11.		
4. Scirpus sp.	H	FACW	12.		
5. Grass sp.	H	—	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: Cannot i.d species due to time of year					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): < 1" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/5/07  
 Community ID: PSS  
 Plot ID: WT659 AB SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/2	10YR 5/3	Fine/Few/Faint	Clay loam

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland?  Yes No

Remarks

photo 5-15

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: UPL Transect ID: Plot ID: WTG57 AB S82			

**VEGETATION**

Plant Community Classification: Ag Field					
Percent Canopy Cover: Tree: 0 Shrub: 25 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Malus</i> sp.	S	FACU	9.		
2. <i>Solidago</i> sp.	H	-	10.		
3. <i>Plantago</i> sp.	H	FACU	11.		
4. <i>Eragrostis virginiana</i>	H	FACU	12.		
5. <i>Spina latifolia</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 450%.					
Remarks: cannot id species due to time of year.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/5/07  
 Community ID: UPL  
 Plot ID: WTG57 AB 552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 8/2			Silt loam
0-8	B	7.5YR 8/2			Clay loam

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: < 5% oxidized root channels  
 Soil includes small fragments of stone

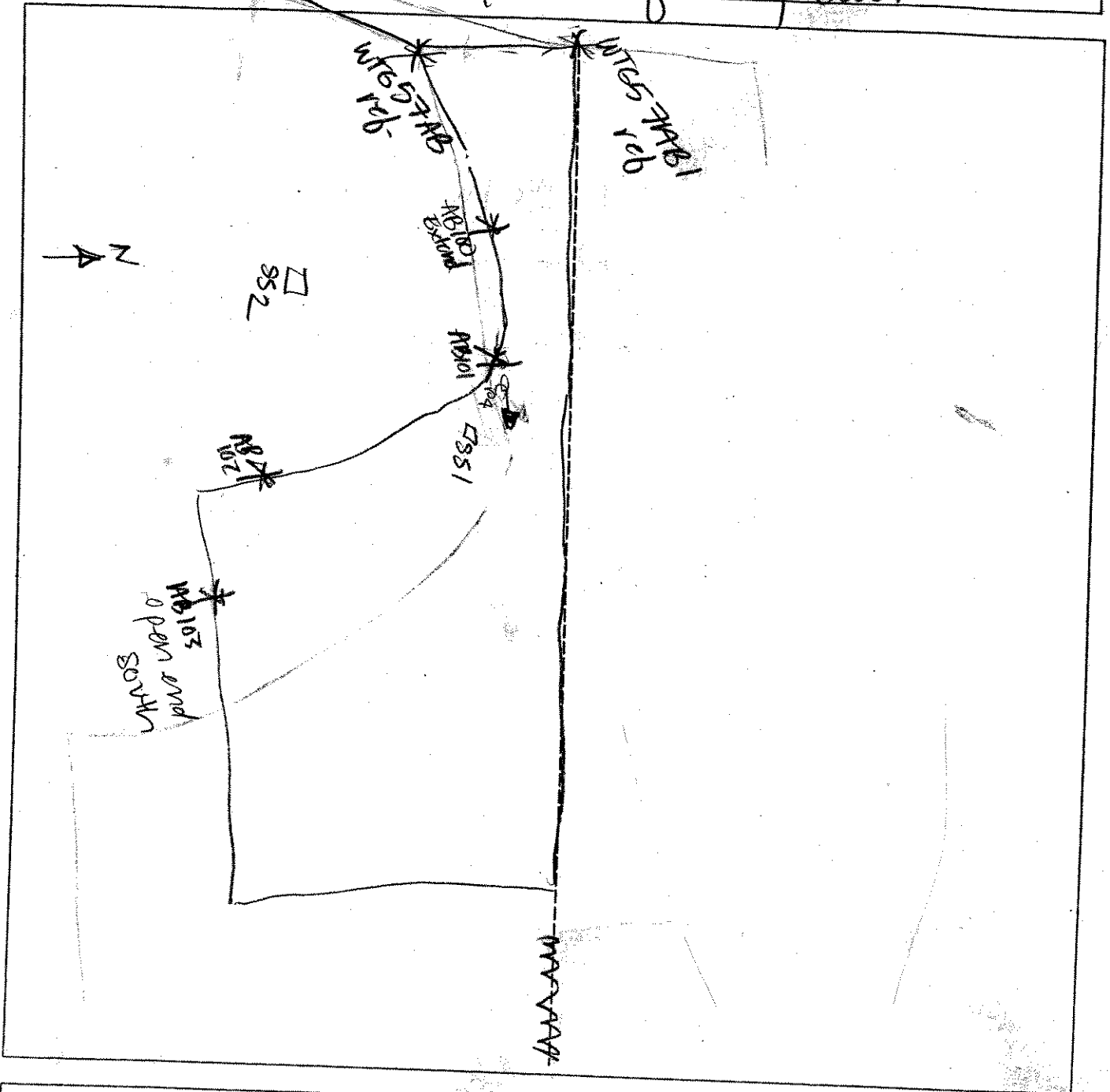
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: WT657AB EXT		Date: 5 May 07	Time:
Initials of Delineators: JV AP		Location: WT657AB	
Roll #:	Frames: photo 4 by AB101 facing East		



Legend	
photo	Photo Location/Direction
□	Sample Station
---	Centerline
△	Flag
X	Wetland
U	Upland
—	Stream
- - -	Intermittent Stream





**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Mobile River Wind</i> Applicant/Owner: <i>Mobile River LLC</i> Investigator: <i>BL</i>	Date: <i>5/20/06</i> County: <i>Clarendon</i> State: <i>LA</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>WTG 58A-551</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:					
	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Impatiens capensis</i>	H	FACW	9.		
2. <i>Rudbeckia hirta</i>	H	FACW	10.		
3. <i>Osmunda clydeana</i>	H	FACW	11.		
4. <i>Sagittaria latifolia</i>	SH	FAC+	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>3"</i></p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	<p>Remarks:</p>

Date: 5/20/06  
 Community ID:  
 Plot ID: WTG 58-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	Ap	2.5Y 3/1	7.5YR 3/4	< 5%	Sandy loam
15-18+	Bq	2.5Y 5/2	7.5YR 5/6	< 5%	loam, sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			
DEC wetland			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble Run Wind</i> Applicant/Owner: <i>Marble Run LLC</i> Investigator: <i>RCO</i>	Date: <i>5/20/06</i> County: <i>Crittenden</i> State: <i>MT</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTC 58A-552</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>65</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Prunus serotina</i>	T	FACU	9. <i>Impatiens capensis</i>	H	FACU
2. <i>Prunus serotina</i>	SH	FACU	10.		
3. <i>Rubus idaeus</i>	SH	FAC-	11.		
4. <i>Populus tremula</i>	SH	FACU	12.		
5. <i>Betula populifolia</i>	SH	FAC	13.		
6. <i>Picea canadensis</i>	T	FACU	14.		
7. <i>M. canadensis</i>	H	FAC-	15.		
8. <i>Fragaria virginiana</i>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>1/9</i>					
Remarks:					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks:

Date: 5/20/06  
 Community ID: Upland  
 Plot ID: WTC 58-A-952

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2	None		
3-12+	Bw	2.5Y 4/4	None		

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

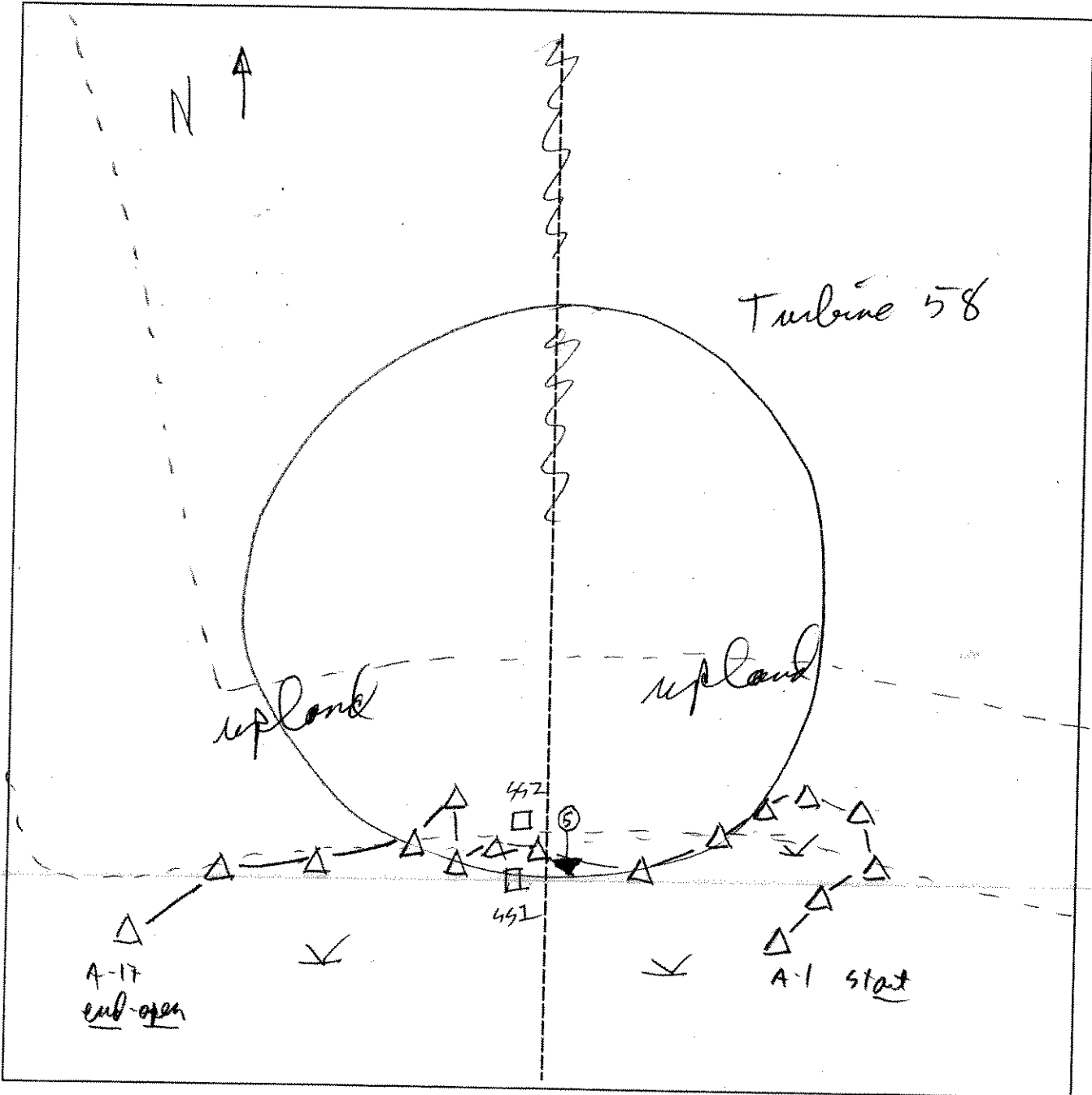
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

DEC wetland

SKETCH FORM

Wetland ID/Route #: WTG-58A	Date: 5/20/06	Time:
Initials of Delineators: BR-RJ	Location:	
Roll #:	Frames: photo 5 * 5 to wetland	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>BO</i>	Date: <i>5/19/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site?      Yes <input type="radio"/> No <input checked="" type="radio"/> <i>Not Field</i> Is the site significantly disturbed (Atypical Situation)?      Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area?      Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>WTIG 59-B-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree: <i>0</i> Shrub: <i>5</i> Herb: <i>95</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Juncus edisus</i>	<i>H</i>	<i>FACW</i>	<i>9.</i>		
<i>2. Carex sp.</i>	<i>H</i>	<i>Assum wet</i>	<i>10.</i>		
<i>3. Spirea latifolia</i>	<i>H</i>	<i>FAC+</i>	<i>11.</i>		
<i>4. Gallium mollugo</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Oenothera sensibilis</i>	<i>H</i>	<i>FACW</i>	<i>13.</i>		
<i>6. Lythrum salicaria</i>	<i>H</i>	<i>FACW+</i>	<i>14.</i>		
<i>7. Salix sp</i>	<i>Sh</i>	<i>Assum wet</i>	<i>15.</i>		
<i>8</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>veg is identifiable for determination</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>3-6"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/19/06  
 Community ID: wetland  
 Plot ID:

WT659-13-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	Ap	2.5Y 2.5/1	7.5YR 4/4 +	2.5Y 4/2 ←	at surface
12-16+	Bg	2.5Y 5/1	7.5YR 4/4		

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input checked="" type="checkbox"/> Other (Explain in Remarks) dark surface horizon (Ap)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/19/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>Hay field</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>WT6-59-BSSJ</i>

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Taraxacum officinale</i>	H	FACU	9.			
2. <i>Vicia sativa</i>	H	FACU-	10.			
* 3. <i>Galium mollisp</i>	H	FAC	11.			
4. <i>Barbarea vulgaris</i>	H	FACU	12.			
5. <i>UK grass</i>	H		13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>25%</i>						
Remarks: <i>Hay field but veg is identifiable for determination</i>						

**HYDROLOGY**

*NONE*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 5/19/06  
 Community ID: Upland  
 Plot ID: WT6 59-13-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-16	Ap	10 YR 7/2	7.5 YR 4/4	< 2%	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

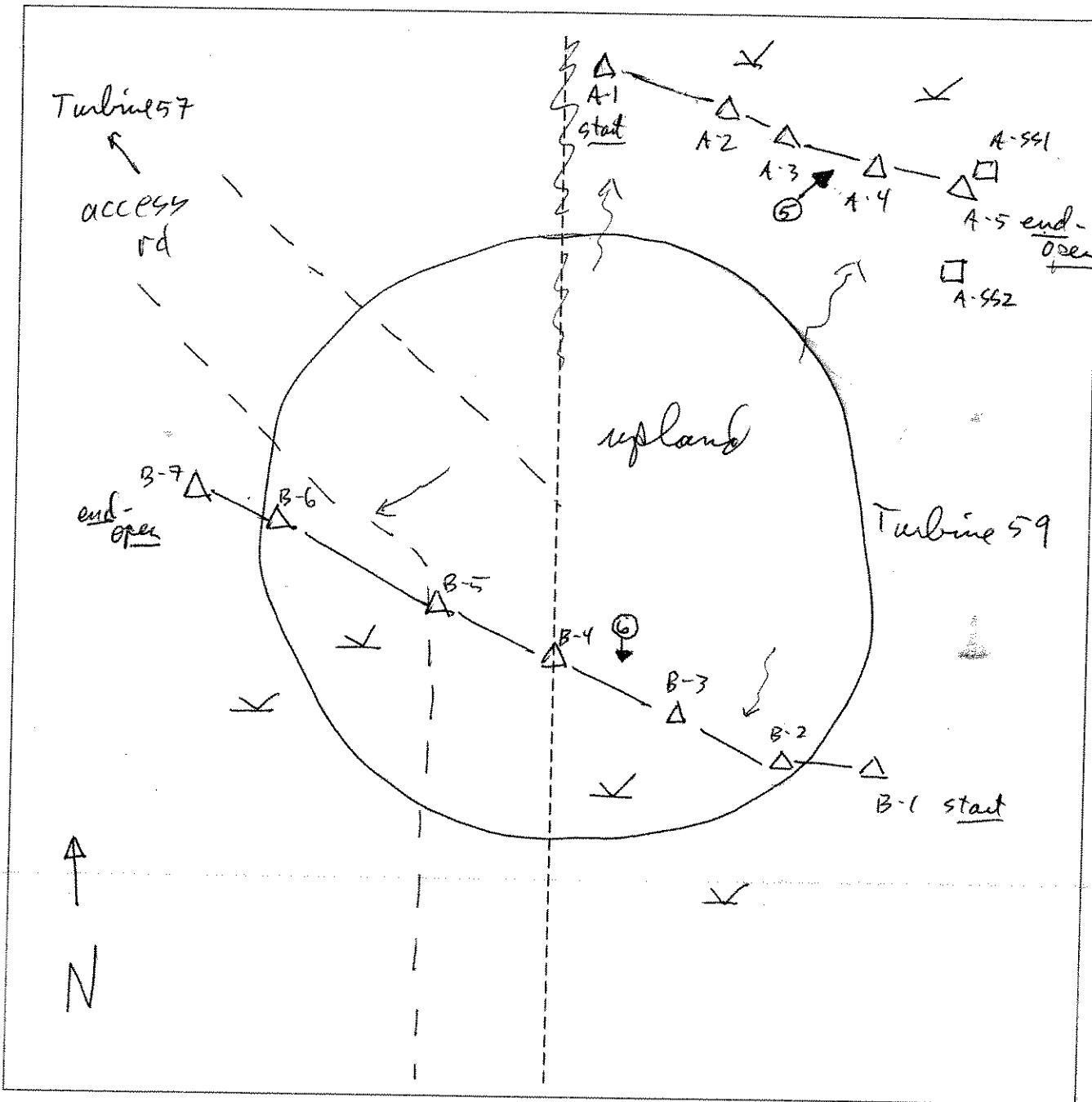
Remarks: lacks low chroma redox and darker matrix of adjacent wetland soil in field

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: WT6 59A/B	Date: 5/19/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 5 & NE; photo 6 & S	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/5/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PEM</u> Transect ID: Plot ID: <u>WTG59 B-SSI</u>

**VEGETATION**

Plant Community Classification: <u>Ag Field</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>45%</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Scirpus sp</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Salix torreyana</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Grass sp</u>	<u>H</u>	<u>—</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>Cannot id species time of year</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>NA</u>  Depth to Free Standing Water in Pit (in.): <u>4 1/2"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/5/07  
 Community ID: PEM  
 Plot ID: WTG 59-B-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/2	7.5YR 5/8	thin Fine Distinct	Sandy loam

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: ~50% roots in upper 6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks Photo 2 = NE 3 = E		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: WT659-B-S S1							

**VEGETATION**

Plant Community Classification: <u>Ag Field</u>					
Percent Canopy Cover: Tree: <u>&lt;5</u> Shrub: <u>&lt;5</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Ulmus americana</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Malus sp</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Spiraea latifolia</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Ranunculus sp.</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>NA</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>NA"</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>&gt;12"</u>	
Remarks:	

Date: 5/5/07  
 Community ID: UPL  
 Plot ID: WT699 B-SSI

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	A <sub>1</sub>	10YR 3/2			Silt loam
5-14	A <sub>2</sub>	10YR 3/3	25Y 4/2	Few/Fine/Faint	Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

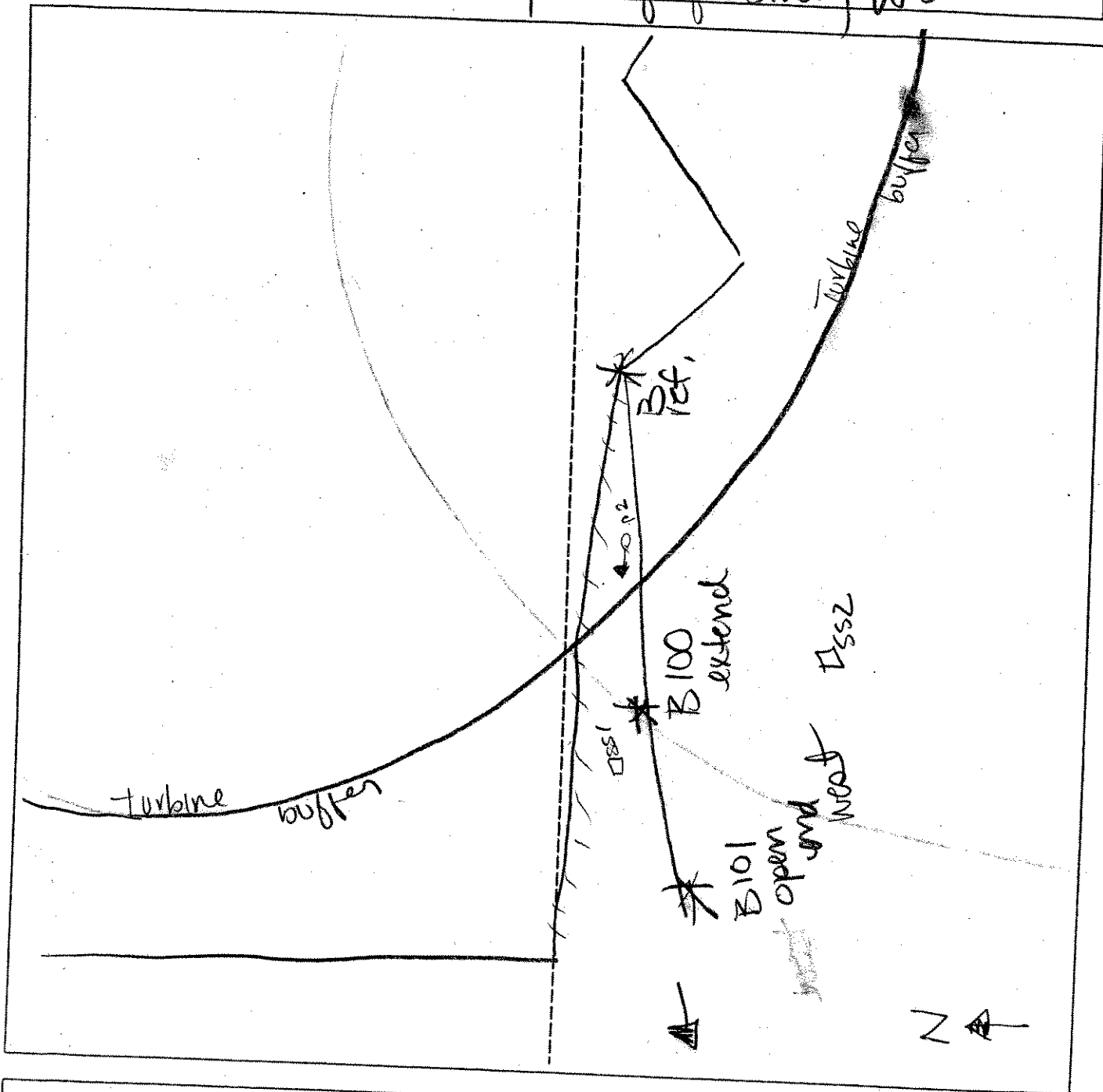
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present? Yes <input type="radio"/> No <input type="radio"/>	

Remarks UPL area is seasonally wet. Mixed veg indicate hi/low periods of saturation. Topography is generally higher than in WL.

SKETCH FORM

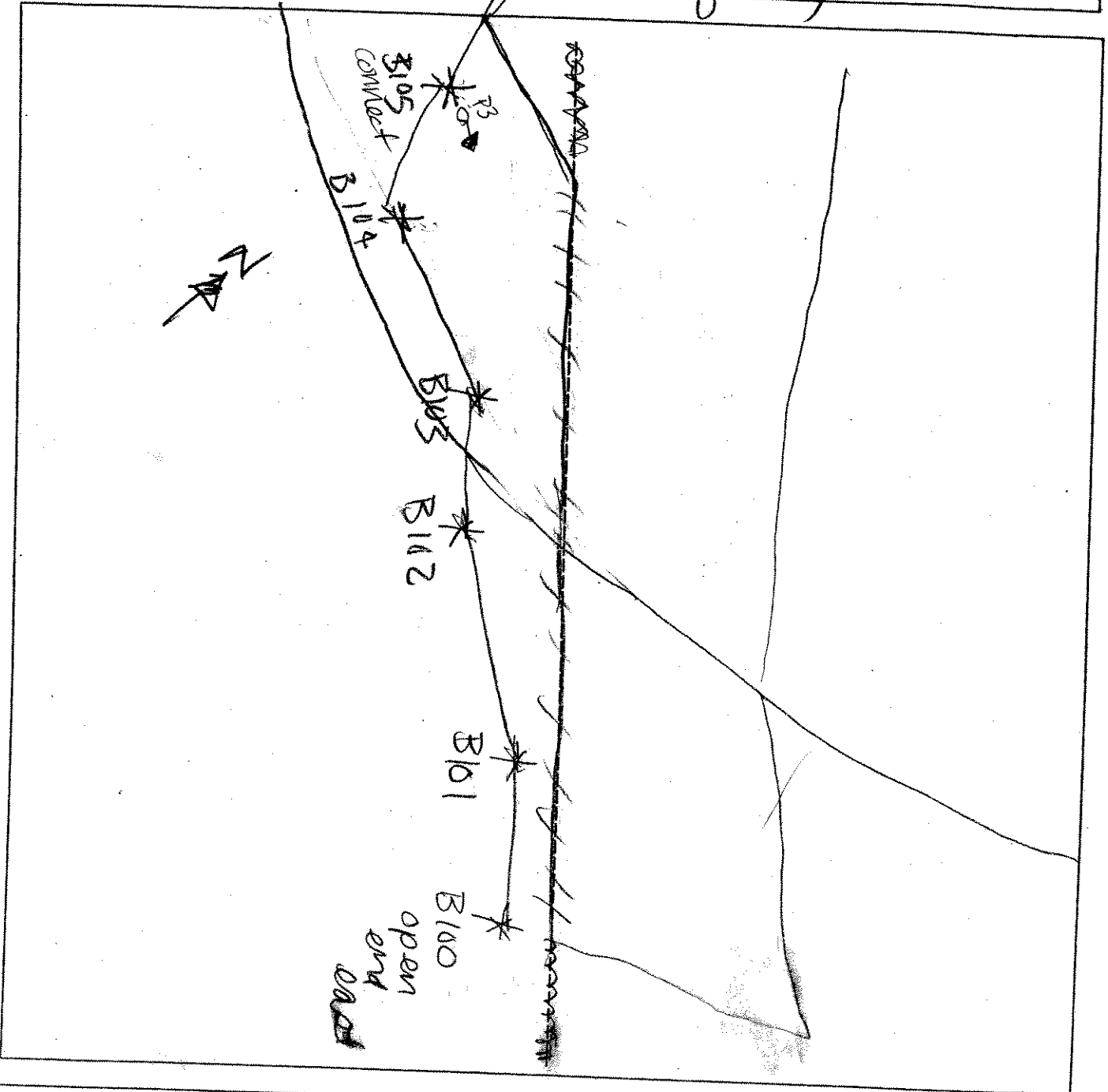
Wetland ID/Route #: <b>WT659B EXTENSION</b>		Date: <b>5 May 07</b>	Time:
Initials of Delineators:		Location: <b>WT659B</b>	
Roll #:	Frames:	<b>photo 2 by B ref facing west</b>	



Legend	
p2 ○ ▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
Wetland symbol	Wetland
Upland symbol	Upland
Stream symbol	Stream
Intermittent Stream symbol	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: WT659B EXT		Date:	Time:
Initials of Delineators:		Location: WT659B 200	
Roll #:	Frames: photo 3 by B105 facing East		



P3 ○ →	Photo Location/Direction		Wetland
□	Sample Station		Upland
- - -	Centerline		Stream
△	Flag		Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BO</u>	Date: <u>5/22/06</u> County: <u>Ciuxon</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>WTG-64-A-991</u>

**VEGETATION**

Plant Community Classification: <u>Sapling</u> 80 Percent Canopy Cover: <u>Tree: 80</u> <u>Shrub: 45</u> <u>Herb: 20</u> <u>Vine:</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <u>Betula populifolia</u>	<u>SAP</u>	<u>FAC</u>	9.		
* 2. <u>Populus tremula</u>	<u>SAP</u>	<u>FAC</u>	10.		
* 3. <u>Abies balsamea</u>	<u>SH</u>	<u>FAC</u>	11.		
* 4. <u>Spirea latifolia</u>	<u>SH</u>	<u>FAC+</u>	12.		
* 5. <u>Solidago sp. (early)</u>	<u>H</u>	<u>not counted</u>	13.		
* 6. <u>M. canadense</u>	<u>H</u>	<u>FAC-</u>	14.		
* 7. <u>Schizanthus</u>	<u>H</u>	<u>OBL</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): <u>1"</u> Depth to Saturated Soil (in.): <u>surface</u>	
Remarks:	

Date: 5/20/06  
 Community ID: wetland  
 Plot ID:

WTG-64-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	0X Rhizo	-	Sandy loam
6-8	B <sub>u1</sub>	10YR 3/2	7.5YR 7/1	2%	Sandy loam
8-16+	B <sub>u2</sub>	2.5Y 6/2	10YR 5/6	75%	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

- DEC wetland  
 - edge of large bog/swamp/beaver lake

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>BOE</i>	Date: <i>5/22/06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; width: 50%;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 64-A-552</i>							

**VEGETATION**

Plant Community Classification: <i>swampy</i> Percent Canopy Cover: <i>Tree: 75</i> Shrub: <i>35</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula populifolia</i>	<i>Sp.</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Abies balsamea</i>	<i>Sh</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Quercus gerotina</i>	<i>Sh.</i>	<i>FACU</i>	<i>11.</i>		
<i>4. M. canadensis</i>	<i>H</i>	<i>FAC-</i>	<i>12.</i>		
<i>5. Solidago sp. (early)</i>	<i>H</i>	<i>not coded</i>	<i>13.</i>		
<i>6. Bracken fern</i>	<i>H</i>	<i>FACU</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>40%</i>					
Remarks:					

**HYDROLOGY** *None*

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/22/06  
 Community ID: Upland  
 Plot ID:

WTG 64-A-552

**SOILS**

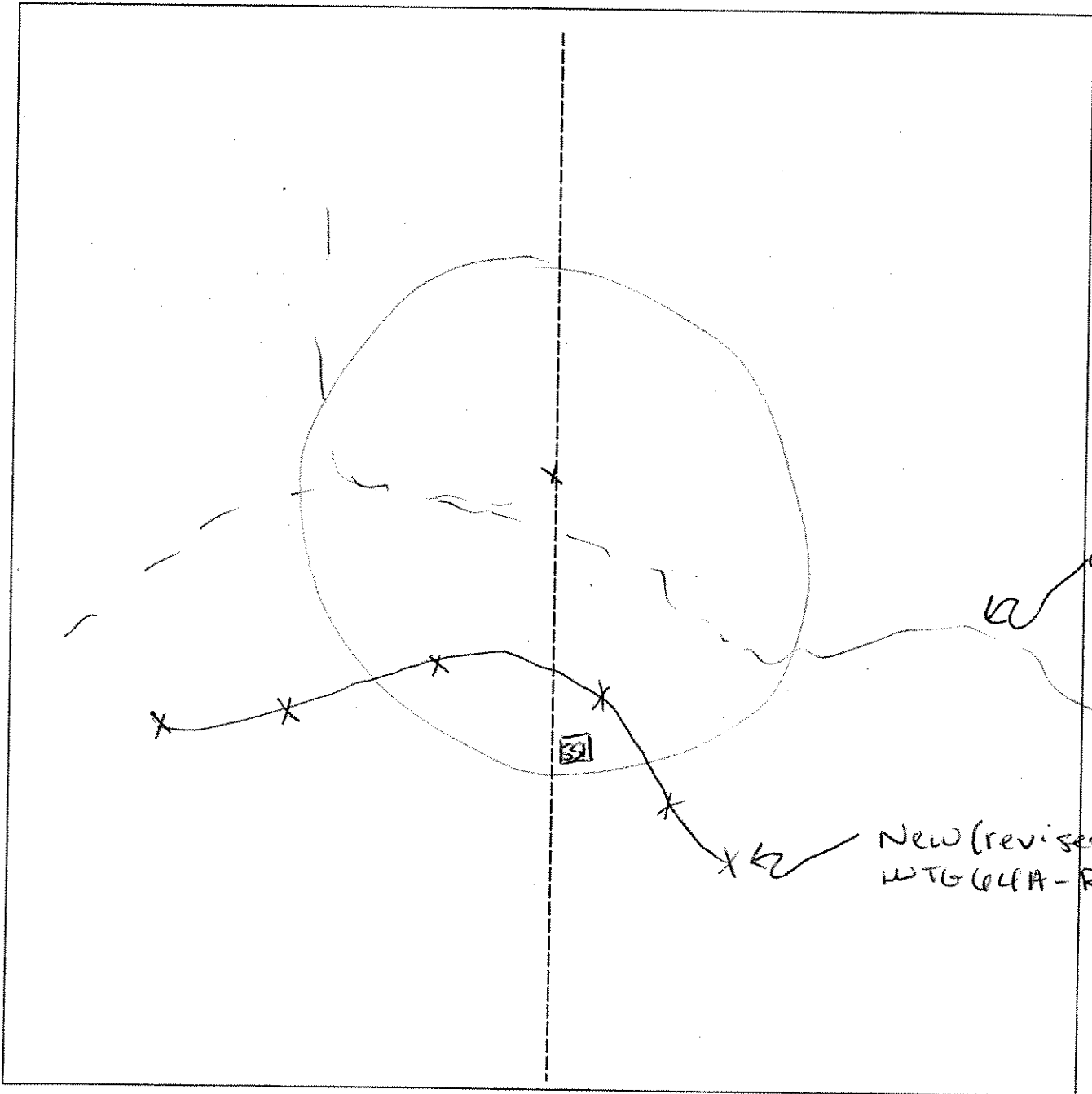
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2	None		
3-5	B/E	10YR 4/2	None		
5-10	B/C	10YR 4/4	7.5 YR 3/5		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					









**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**SKETCH FORM**

Wetland ID/Route #: <b>WTG 64A-R-A</b>	Date: <b>10/27/06</b>	Time: <b>0900</b>
Initials of Delineators: <b>RD JV</b>	Location: <b>T-64A</b>	
Roll #:	Frames:	



<u>Legend</u>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RA, SC</i>	Date: <i>8/18/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>Wetland</i> Transect ID: <i>WTB67/Sub 1058/A</i> Plot ID: <i>SSI</i>							

**VEGETATION** *PEM*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <input checked="" type="checkbox"/>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gen. bull Rush</i>	H		9.		
2. <i>J. Peltatus</i>	H		10.		
3. <i>S. Peltatus</i>	H		11.		
4. <i>Quercus sp</i>	H		12.		
5. <i>Narrow leaf Goldens</i>	H		13.		
6. <i>Quisquatum</i>	H		14.		
7. <i>Buttercup</i>	H		15.		
8. <i>Quercus Scoparia</i>	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>0/A</i> Depth to Free Standing Water in Pit (in.): <i>0/A</i> Depth to Saturated Soil (in.): <i>&gt; 18"</i>	Remarks: <i>Hydro for S.</i> <span style="float: right;"><i>Ruts in pressure</i></span> <i>NEARLY surface water flow</i>

Date: 8/18/06.  
 Community ID: WETLANDS  
 Plot ID:

WTB-67/SUB 108A-SSI

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-9	Ap	7.5YR 3/1-5/1	5YR 5/1R	com/med / prom	silty clay -> silty clay lam
9-16	B <sub>1</sub>	10YR 5/2	7.5YR 4/6	sd / sd mix	silt lam w/ some sand
16-18	B <sub>2</sub>	10YR 6/2	10YR 5/2	sd / sd mix	fine silt w/ some sand

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

photo 9 -> W  
 photo 10 -> N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>EM, SC</i>	Date: <i>8/18/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: <i>W1667/sub 10.8A</i> Plot ID: <i>SS2</i>							

**VEGETATION** *OPEN HAY FIELD*

Plant Community Classification:					
Percent Canopy Cover: <i>0</i> Tree: <input checked="" type="radio"/> Shrub: <input checked="" type="radio"/> Herb: <input type="radio"/> Vine: <input checked="" type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Timothy	H		9. ORCHARD GRASS	H	
2. Dandelion	H		10. BUTTERCUP	H	
3. WOOD SUEDE	H		11.		
4. Common Plantain	H		12.		
5. Grass sp	H		13.		
6. Red Clover	H		14.		
7. Dandelion	H		15.		
8. Polygonum pennsylv.	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	



Date: 8/18/06  
 Community ID: Uplands  
 Plot ID:

WB 67/Sub 1058A-SS2

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12"	A	10YR 3/1-3/4			Silty clay pan

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:  
 Removal of Ager at 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RAJ SC</i>	Date: <i>8/18/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>WB-67/sub 1058A</i> Plot ID: <i>SSR</i>

**VEGETATION** *PFD*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85%</i> Shrub: <i>25%</i> Herb: <i>30%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Green Ash</i>	<i>T/S</i>		9. <i>C. Rex Ligula</i>	<i>H</i>	
2. <i>Red maple</i>	<i>T/S</i>		10.		
3. <i>Jewelweed</i>	<i>H</i>		11.		
4. <i>Flat topped Aster</i>	<i>H</i>		12.		
5. <i>Servia herb</i>	<i>S</i>		13.		
6. <i>Blackberry shrub</i>	<i>S</i>		14.		
7. <i>Sorstar herb</i>	<i>H</i>		15.		
8. <i>Woodfern</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	
Remarks:	

Date: 8/18/06  
 Community ID: WETLAND  
 Plot ID:

WT607/sub 1058A-SS3

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O				ORGANIC MATTER *
4-10	A	10YR2/1			Silt loam
10-18	B	10YR5/2	10YR5/6	many / fine / faint	Silty clay loam

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

\* 1000 Litter

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

photo 10.5 w any Boundary for SS3

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>ASD SC</i>	Date: <i>8/18/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>WTR 67 / SUB 10584</i> Plot ID: <i>SS4</i>

**VEGETATION** *UPLAND DECIDUOUS FOREST*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85%</i> Shrub: <i>15%</i> Herb: <i>60%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bilk cherry</i>	<i>T/S</i>		9.		
2. <i>Green Ash</i>	<i>T</i>		10.		
3. <i>Red maple</i>	<i>T/S</i>		11.		
4. <i>Interrupted Fern</i>	<i>H</i>		12.		
5. <i>Sensitive Fern</i>	<i>H</i>		13.		
6. <i>Narrow leaf</i>	<i>S</i>		14.		
7. <i>LA Alder</i>	<i>H</i>		15.		
8. <i>Stemmed blue oak</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks:	

Date: 8/18/06  
 Community ID: UPLAND  
 Plot ID:

WTB67 / Sub 1058A-SS4

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-8	A	10YR 4/3	=	=	Silt loam
8-16	B	10YR 4/4	=	=	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

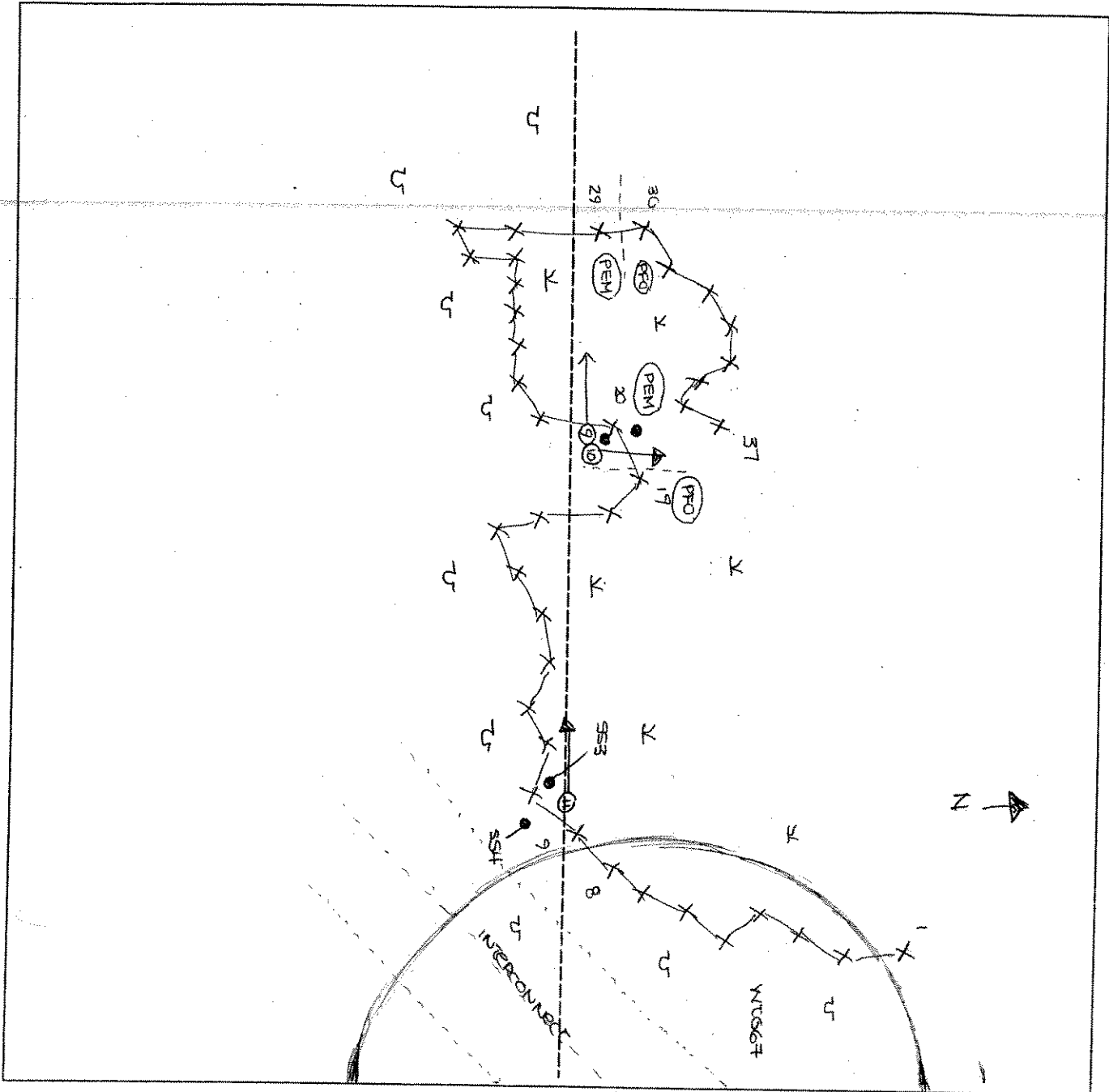
Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

### SKETCH FORM

<b>Wetland ID/Route #:</b> W1667 / SUB1058A	<b>Date:</b> 8/18/06	<b>Time:</b> PM
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO ⑨ FACING WEST / PHOTO ⑩ FACING NORTH / ⑪ → WEST		



<u>Legend</u>	
○ ↗	Photo Location/Direction
▭	Sample Station
---	Centerline
▽	Flag
K	Wetland
U	Upland
—	Stream
- - -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Wetlands Plot

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BRD	Date: 7/10/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (If needed, explain on reverse.)	Community ID: 750 1A Transect ID: WT6 67-60 Plot ID: WT6 67-551

**VEGETATION**

Downgradient D-11

Plant Community Classification:					
Percent Canopy Cover: Tree: 85.5 Shrub: 38.0 Herb: 20.5 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. White Ash	Tree	FACV	9. Green Ash	Tree	FACV
2. Grey Birch	1 Tree	FAC	10. Fox Sedge	7 Herb	FAC
3. Hawthorn	Tree	FACV	11. White Ash	Tree	FACV
4. American Elm	2 Tree	FAC	12.		
5. Black Cherry	Tree	FACV	13.		
6. American Elm	3 Shrub	FACV	14.		
7. Nannyberry	4 Shrub	FAC	15.		
8. Red Mulberry	5 Shrub	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 9/11 = 63.0					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 0" Depth to Free Standing Water in Pit (in.): > 16" Depth to Saturated Soil (in.): > 16"	
Remarks:	

Wetland

Date: 7/16/06  
Community ID: PFO  
Plot ID: 881 - WTG-67

SOILS

Map Unit Name (Series and Phase): N/A  
 Taxonomy (SubGroup): N/A  
 Drainage Class: AD  
 Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	Ap	10YR 3/2	None	None	FSL
8-16	Bw <sub>1</sub>	10YR 4/2	10YR 6/8	Few/med/Dist.	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Remarks Low lying poorly drained swale, with pit & mound tops, obs. saturated soil condition 5/06; portions of swale disturbed by stone wall construction & logging.		



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

*Upland Plot*

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BRP</i>	Date: <i>2/16/05</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>PF01A</i> Transect ID: Plot ID: <i>WTG 69-582</i>							

*U. 6 of A-11*

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>65.5</i> Shrub: <i>36.0</i> Herb: <i>38.6</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Black Cherry</i>	<i>Tree</i>	<i>FACU</i>	9. <i>Meadow Grasses</i>	<i>Herb</i>	<i>FAC</i>
2. <i>White Birch</i>	<i>Tree</i>	<i>FACU</i>	10. <i>May Blossom</i>	<i>Herb</i>	<i>FACU</i>
3. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Basswood</i>	<i>Tree</i>	<i>FACU</i>	12.		
5. <i>Mountain Ash</i>	<i>Tree</i>	<i>FACU</i>	13.		
6. <i>White Birch</i>	<i>Shrub</i>	<i>FACU</i>	14.		
7. <i>Red Maple</i>	<i>Shrub</i>	<i>FAC</i>	15.		
8. <i>White Birch</i>	<i>Herb</i>	<i>FACU</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/1000</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>0</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 14"</i> Depth to Saturated Soil (in.): <i>&gt; 14</i>	
Remarks: <i>No hydrology indicators obs.</i>	

Date: 2/16/06  
 Community ID: upland  
 Plot ID: 55A - WTG 67  
 UG-D-11

**SOILS**

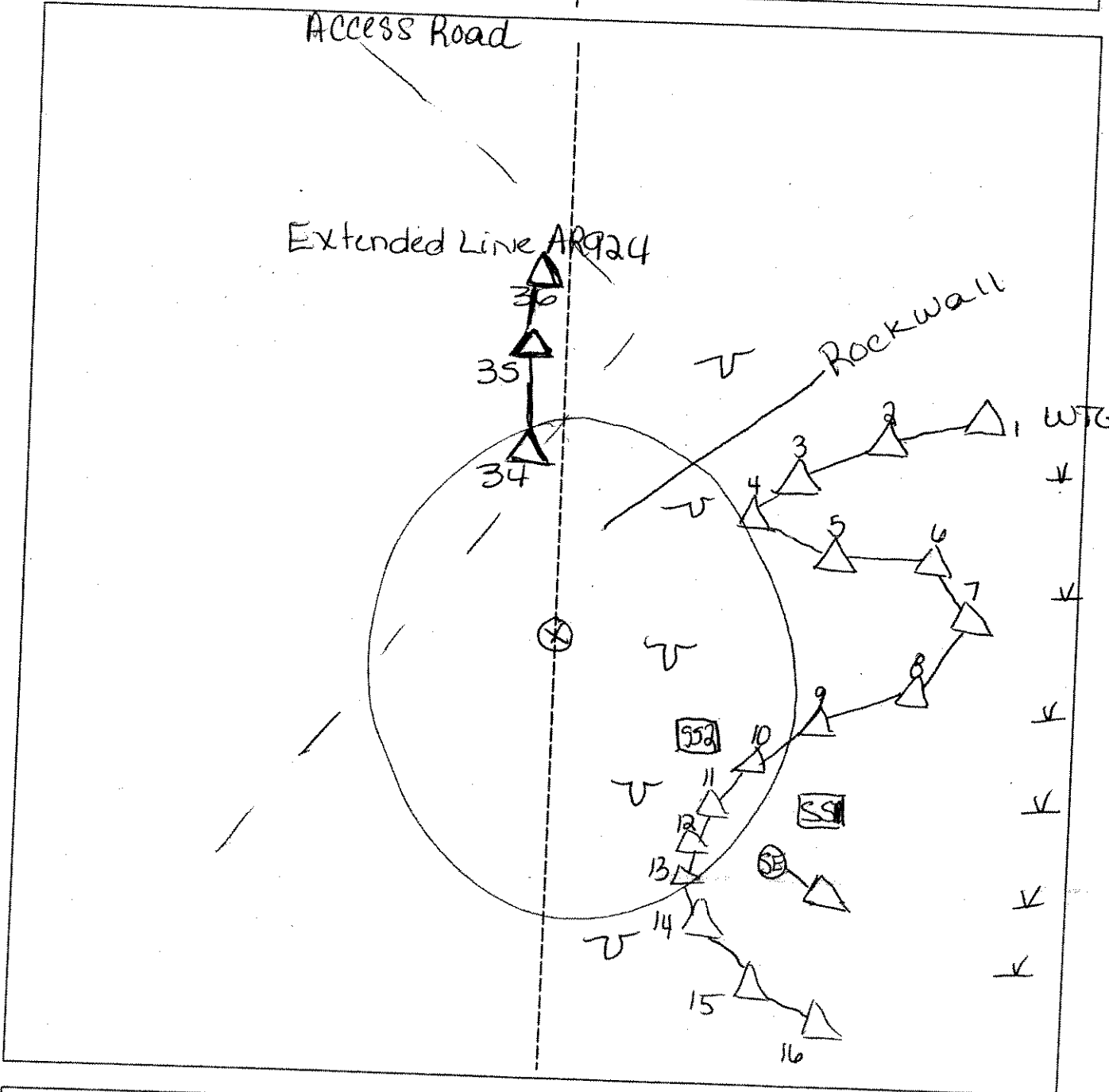
Map Unit Name (Series and Phase): N/A		Drainage Class: MWD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	Ap	10YR 3/2	None	None	FSR
4-14	B <sub>my</sub>	10YR 5/4	None	None	FSR
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: AR924A and WTG67		Date: 7-16-06	Time:
Initials of Delineators: BR		Location: Turbine 67 and access road	
Roll #:	Frames: photo #67 facing Southeast		



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

↑  
N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MAGNIE River Wind Farm</u> Applicant/Owner: <u>MAGNIE River, LLC</u> Investigator: <u>[Signature]</u>	Date: <u>7/14/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>IC1012 BK</u> Plot ID: <u>SSI</u>

**VEGETATION**

PSS / PFD Intertide

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>25%</u> Shrub: <u>75%</u> Herb: <u>45%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus effusus</u>	<u>H</u>	<u>FACW+</u>	9.		
2. <u>MEADOW SWEET</u>	<u>S</u>	<u>FAC+</u>	10.		
3. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Gray birch</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Dwarf Derry</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>	14.		
7. <u>Spade leaf</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>Dicentra bulbosa</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>12" / 11</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>6m from OAMs</u> <u>Revised</u>	

Date: 7/14/06  
 Community ID: wetland  
 Plot ID: IC1012BK-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	Silt loam (muck) OK
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Presence of Ayc 15 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: Photo 3 => SE at IC1012B			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIDGE WIND TOWER</u> Applicant/Owner: <u>MARBLE RIDGE C.C.C.</u> Investigator: <u>TAH SE</u>	Date: <u>7/14/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span>No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span>No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span>No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>IC 1012BK</u> Plot ID: <u>552</u>

**VEGETATION**

UPLAND DECID TULERS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>30%</u> Herb: <u>55%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>SERRULENUM</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>WOOD PEARL</u>	<u>H</u>	<u>FAC+</u>	12.		
5. <u>L.B. BLUEBERRY</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>CLB MUD</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>CANADA LILY</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>TRAVELER PEARL</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p><b>Wetland Hydrology Indicators:</b></p> <p><b>Primary Indicators:</b></p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p><b>Secondary Indicators (2 or more required):</b></p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p>	
Remarks:	

Date: 7/14/06  
 Community ID: UPLANDS  
 Plot ID:

IC10236-52

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>1</sub>	10YR 4/4			Silt loam, silty clay
2-4	A <sub>2</sub>	10YR 4/4	10YR 3/2	SO/SD mix	Silt loam, silty clay
4-15	B <sub>1</sub>	10YR 5/4	10YR 4/4	man. layer / faint	Silty clay
15-18	B <sub>2</sub>				

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

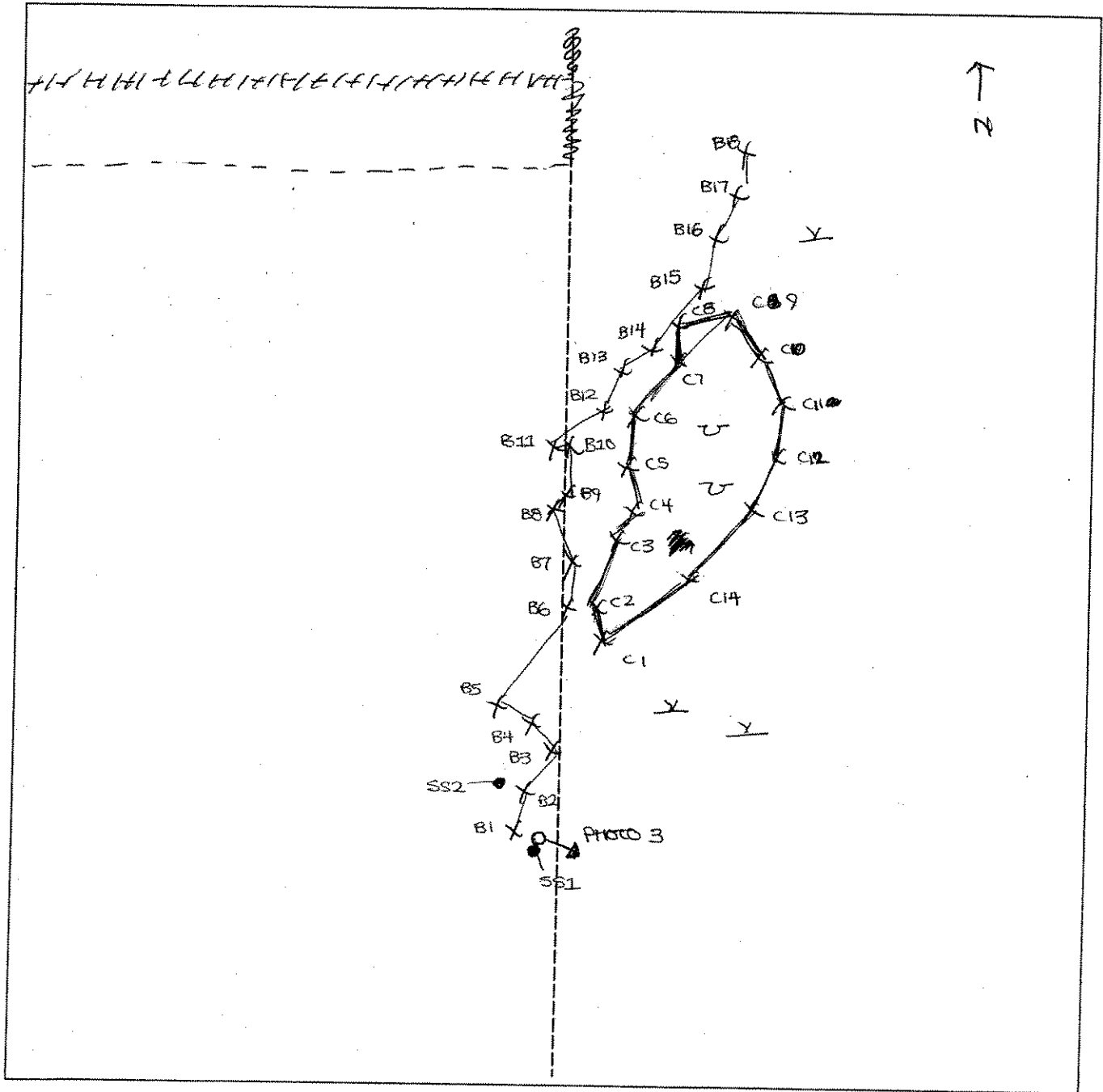
Hydrophytic Vegetation Present? Yes No  
 Wetlands Hydrology Present? Yes No  
 Hydric Soils Present? Yes No Is this Sample Station Point Within a Wetland? Yes No

Remarks

WCG70R-A, IC1012

SKETCH FORM

Wetland ID/Route #: IC1012 B/C	Date: 7/14/06	Time:
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #: Frames: PHOTO 3 FACING SE		



**Legend**

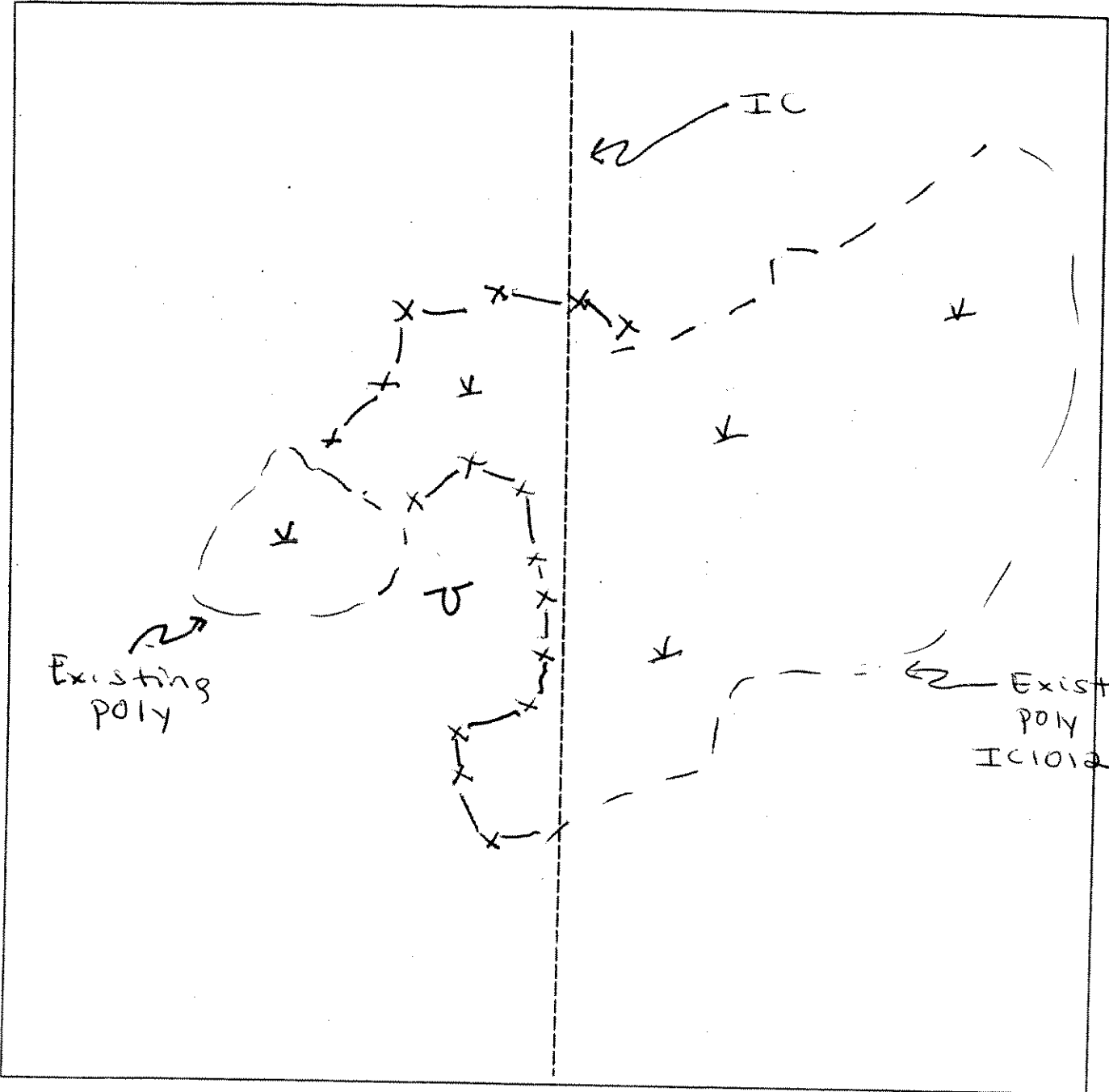
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



WTG70R-A, IC1012

SKETCH FORM

Wetland ID/Route #: IC 372 A/B	Date: 12/22/06	Time: 1020
Initials of Delineators: RD JV	Location: IC along TLINE	
Roll #:	Frames:	



Legend	
○ ↙	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
∨	Wetland
∩	Upland
—	Stream
- . -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BO</i>	Date: <i>5/19/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>WTG 77-A-SS1</i>

**VEGETATION**

Plant Community Classification: <i>90 Sapling</i>					
Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>35</i> Herb: <i>35</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum</i>	<i>SOP</i>	<i>FAC</i>	9.		
<i>2. Betula populifolia</i>	<i>SOP</i>	<i>FAC</i>	10.		
<i>3. Salix sp.</i>	<i>H</i>	<i>Assemblage</i>	11.		
<i>4. Spinea latifolia</i>	<i>H</i>	<i>FAC+</i>	12.		
<i>5. Viburnum cassinoides</i>	<i>H</i>	<i>FACW</i>	13.		
<i>6. Osmunda Claytoniana</i>	<i>H</i>	<i>FACW</i>	14.		
<i>7. Betula populifolia</i>	<i>SH</i>	<i>FAC</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>0-3"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 5/19/06  
 Community ID: wetland  
 Plot ID: WT6 77-A-991

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
A	0-10	2.5Y 2.5/1	2.5Y 4/1 + 10YR 4/6	20%	Sandy loam
B <sub>q</sub>	10-16 <sup>+</sup>	2.5Y 5/1	10YR 4/6	75%	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Noble River</i> Applicant/Owner: <i>Noble River LLC</i> Investigator: <i>RCE</i>	Date: <i>5/19/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 77-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>65</i> Shrub: <i>85</i> Herb: <i>10</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Fagus grandifolia</i>	<i>T</i>	<i>FACU</i>	<i>10.</i>		
<i>3. Populus tremula</i>	<i>T</i>	<i>FACU</i>	<i>11.</i>		
<i>4. Corylus cornuta</i>	<i>SL</i>	<i>FACU-</i>	<i>12.</i>		
<i>5. Prunus serotina</i>	<i>SL</i>	<i>FACU</i>	<i>13.</i>		
<i>6. M. canadense</i>	<i>IT</i>	<i>FAC-</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>17%</i>					
Remarks:					

**HYDROLOGY** *NONE*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/19/06  
 Community ID: Upland  
 Plot ID: WTC 77-A-SS2

**SOILS**

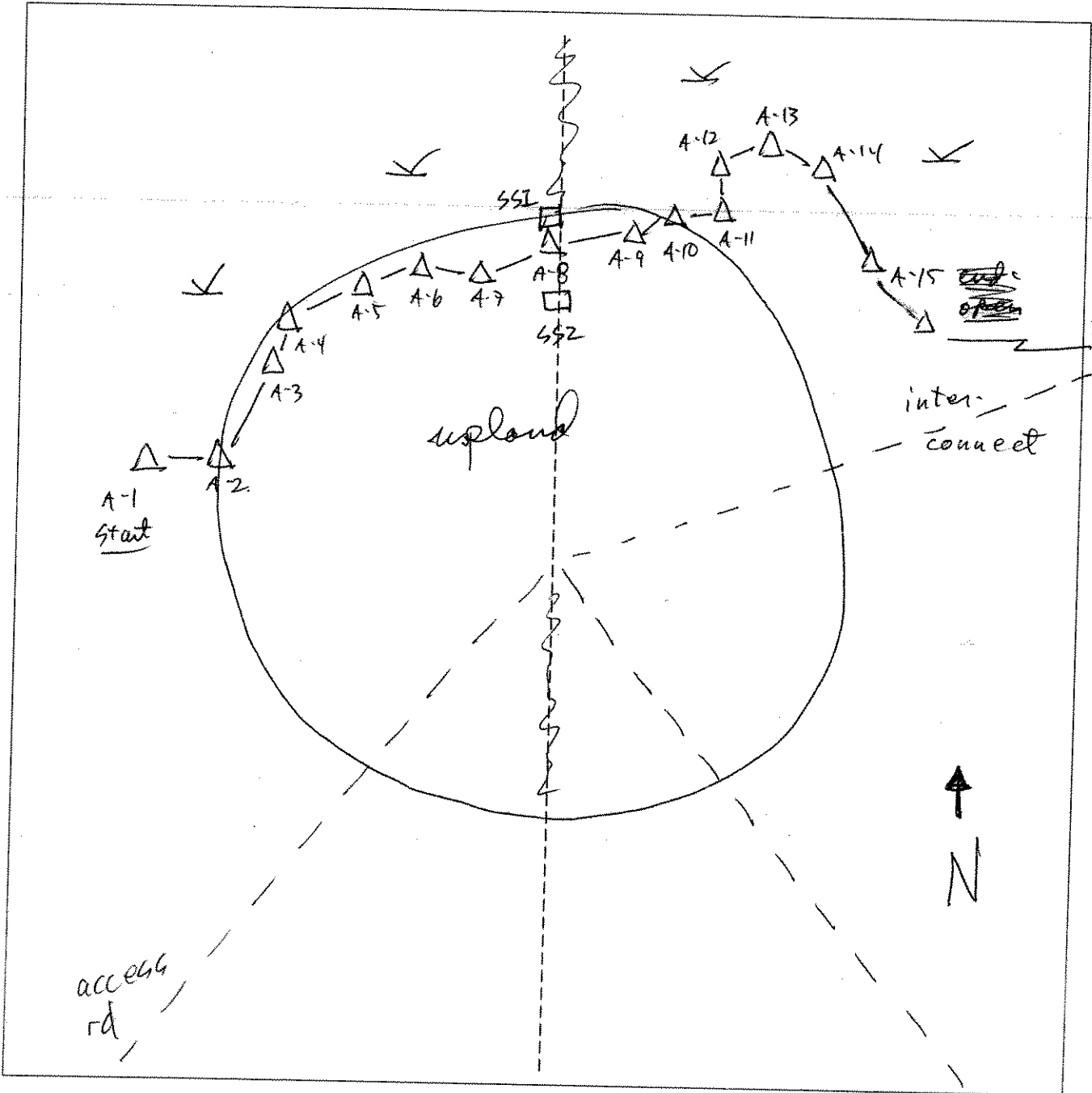
Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR3/1	None		Sandy loam
5-10	Bw	10YR4/4	7.5YR2/4	< 2%	Sandy loam
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetlands Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks	

SKETCH FORM

Wetland ID/Route #: <b>WTG 77A</b>	Date: <b>5/19/06</b>	Time:
Initials of Delineators: <b>BQ-EJ</b>	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>BO</i>	Date: <i>3/18/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>WTG 78-A-551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>UK Grass</i>			9.		
* 2. <i>Tinacris ciliata</i>		<i>FACW+</i>	10.		
3. <i>Gallium mollugo</i>	<i>H</i>	<i>NT</i>	11.		
* 4. <i>Sida acuta</i>	<i>H</i>	<i>OBL</i>	12.		
* 5. <i>Eleocharis sp</i>	<i>H</i>	<i>OSM/NT</i>	13.		
6. <i>Sanicula marilandica</i>	<i>H</i>	<i>NT</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>- Hay field</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>2-6"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 9/18/06  
 Community ID: wetland  
 Plot ID: WT6 T8-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	AP	2.5Y 5/1	10YR 5/6 & 7.25Y 6/1	2-3%	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>BO</i>	Date: <i>5/18/06</i> County: <i>Clayton</i> State: <i>NC</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Hay field</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>field</i> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 78-A-557</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>UK grass</i>			9.		
2. <i>Solidago canadensis</i>	<i>H</i>	<i>NI</i>	10.		
3. <i>Taxodium officinale</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Bolander mollis</i>	<i>H</i>	<i>NI</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <input type="radio"/>					
Remarks: <i>Maintained Hay field, no cover, Traces of Sphagnum in wet areas of field</i>					

**HYDROLOGY** *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/18/06  
 Community ID: upland  
 Plot ID: WTC 78 A-552

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	Ap	10YR 3/2	none		sandy loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

hyd soil

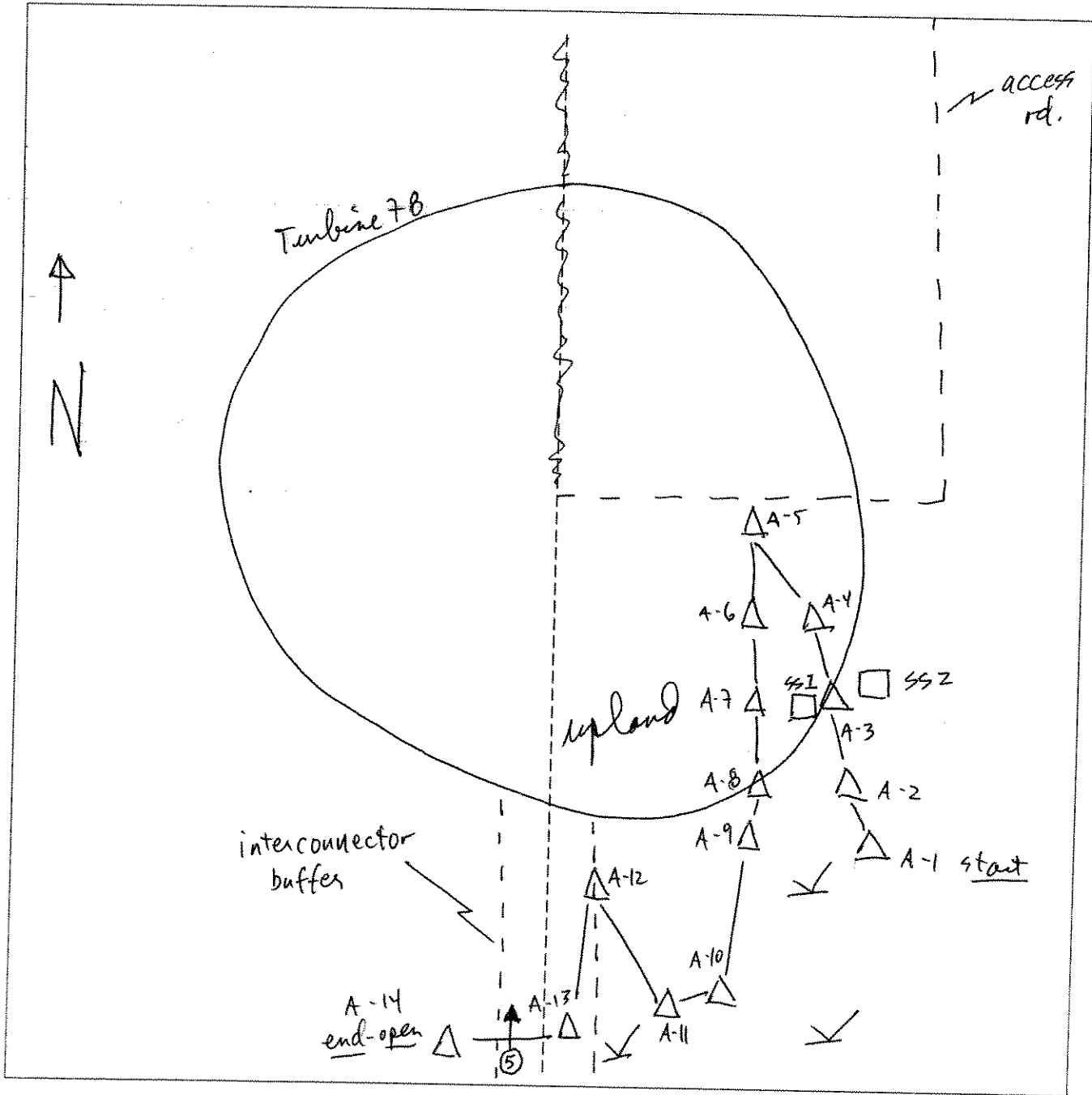
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: WTG 78A	Date: 5/18/06	Time: 5:45
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo is facing N to tower	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Wetland  
D.G. - WTG 84-3

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BR	Date: 5/19/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PFD Transect ID: Plot ID: WTG 84 A - 801

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Balsam Fir	Tree	FAC	9.		
2. Hairy Wood	Tree	FACU	10.		
3. Smooth Fern	Herb	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/3 = 66					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): None Depth to Free Standing Water in Pit (in.): w/in 6" Depth to Saturated Soil (in.): 6"	
Remarks: - Flat and mound topography w/ some pits having 6"-10" of water - Heavy rain during site visit	

Date: 5/19/06  
 Community ID: PFD  
 Plot ID:  
 WT 6 84 A - 881

**SOILS**

Map Unit Name  
 (Series and Phase): N/A

Drainage Class: PD

Taxonomy (SubGroup): N/A

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-6	Dp	10YR 2/1	none	none	Fgl
6-16	Bw	10YR 5/2	10YR 6/8	Few/med/DIA	gl

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Upland  
U.B-WTG 84-3

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BQ</u>	Date: <u>5/15/06</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>PFD</u> Transect ID: Plot ID: <u>WTG 84A-852</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                      Shrub:                      Herb:                      Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam fir</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Paper</u>	<u>Tree</u>	<u>FACW</u>	10.		
3. <u>Rainberry</u>	<u>shrub</u>	<u>FAC-</u>	11.		
4. <u>Hazel nut</u>	<u>shrub</u>	<u>FACW</u>	12.		
5. <u>Sugar maple</u>	<u>Tree</u>	<u>FACW</u>	13.		
6. <u>Mary flower</u>	<u>Herb</u>	<u>FAC-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>1/6</u>					
Remarks:					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>&gt;12'</u> Depth to Saturated Soil (in.): <u>&gt;12'</u>	
Remarks:	

Date: 5/19/06  
 Community ID: PFO  
 Plot ID:

WTG-84A-802

**SOILS**

Map Unit Name (Series and Phase): N/A  
 Taxonomy (SubGroup): N/A  
 Drainage Class: MWD  
 Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR 2/1	None	None	SL
6-12	Bw <sub>1</sub>	10YR 4/4	None	None	SL

- Hydro Soil Indicators
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

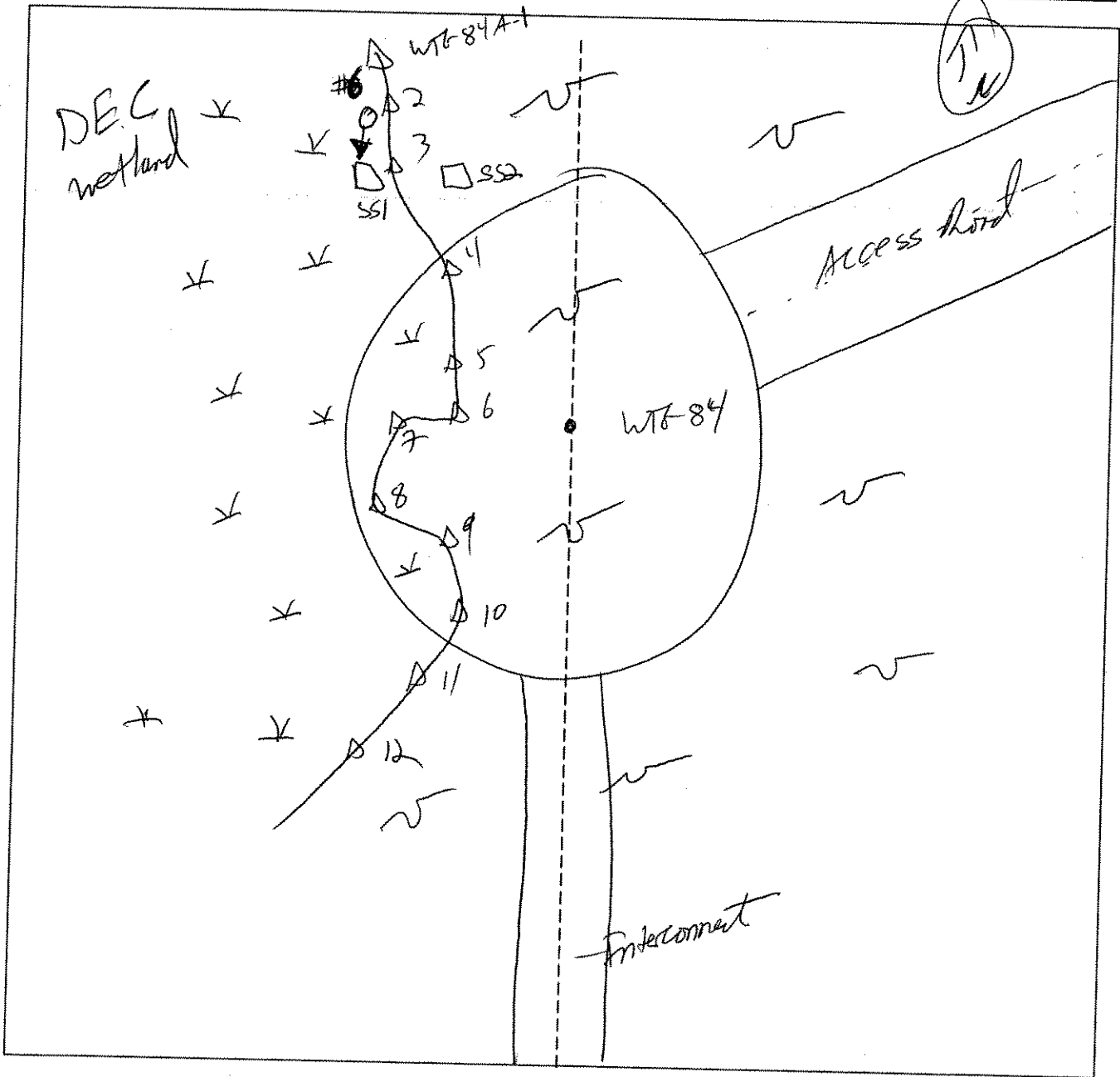
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: <i>WT84A</i>		Date: <i>5/19/06</i>	Time:
Initials of Delineators: <i>BB, KH</i>		Location: <i>WT84</i>	
Roll #: <i>KH</i>	Frames: <i>6 - South</i> <i>New wetland</i>		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream



Wetland  
WT 6 BGA-881

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Mentole River</u> Applicant/Owner: <u>Mentole River LLC</u> Investigator: <u>BR</u>	Date: <u>5/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>P40 / P66</u> Transect ID: Plot ID: <u>WT 6 BGA 881</u>

**VEGETATION**

Agave

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>38.0</u> Shrub: <u>28.0</u> Herb: <u>89.5</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aspen</u>	<u>Tree</u>	<u>FACU</u>	9.		
2. <u>Green Birch</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Black Birch</u>	<u>Tree</u>	<u>FAC</u>	11.		
4. <u>White Birch</u>	<u>Shrub</u>	<u>FACW</u>	12.		
5. <u>Red Pine</u>	<u>Shrub</u>	<u>FAC</u>	13.		
6. <u>Scholar's Pine</u>	<u>Herb</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/16</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>Wetland</u> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.): <u>Surface</u>  Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	

Wetland

Date: 5/17/06  
Community ID: PFO 1063  
Plot ID:  
WTRB 85A - A camp

**SOILS**

Map Unit Name  
(Series and Phase): N/A

Drainage Class: PD

Taxonomy (SubGroup): W/A

Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	<u>Ap</u>	<u>10Y2Z/1</u>	<u>none</u>	<u>none</u>	<u>FSL</u>
12-16	<u>Bg</u>	<u>10Y2.5/1</u>	<u>10Y2.6/1</u>	<u>Few/med/Dist</u>	<u>FSL</u>

Hydro Soil Indicators

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks

Upland

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

WTG 85A-862

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BR</u>	Date: <u>5/17/06</u> County: <u>Cimarron</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO</u> Transect ID: Plot ID: <u>WTG 85A-467</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aspens</u>	<u>Tree</u>	<u>FACU</u>	9.		
2. <u>Berry Birch</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Hazel Nut</u>	<u>Shrub</u>	<u>FACU</u>	11.		
4. <u>Birch Cherry</u>	<u>Shrub</u>	<u>FACU</u>	12.		
5. <u>Sugar Maple</u>	<u>Shrub</u>	<u>FACU</u>	13.		
6. <u>Magnolia</u>	<u>Herb</u>	<u>FAC-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>1/6</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>None</u>  Depth to Free Standing Water in Pit (in.): <u>&gt; 10"</u>  Depth to Saturated Soil (in.): <u>&gt; 10"</u>	
Remarks:	

Date: 5/17/06  
 Community ID: PFB  
 Plot ID:  
 WY 6-85A Upland

**SOILS**

Map Unit Name  
 (Series and Phase): N/A  
 Taxonomy (SubGroup): M/A

Drainage Class: WD  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	AD	3.5YR 3/2	None	None	FLA
4-10	Bw <sub>1</sub>	2.5Y 4/4	None	None	FLA

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Wetland  
WTG 85B-861

Project Site: <i>Mobile Bay</i> Applicant/Owner: <i>Mobile Bay LLC</i> Investigator: <i>BR</i>	Date: <i>5/18/06</i> County: <i>Clarke</i> State: <i>LA</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PFO</i> Transect ID: Plot ID: <i>WTG 85B-861</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>63.0</i> Shrub: <i>22.5</i> Herb: <i>63.0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Baldwin Pear</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACW</i>	11.		
4. <i>Meadow Sweet</i>	<i>Shrub</i>	<i>FAC</i>	12.		
5. <i>Sessile Fern</i>	<i>Herb</i>	<i>FACW</i>	13.		
6. <i>Common Fern</i>	<i>Herb</i>	<i>FACW</i>	14.		
7.			15.		
8. <i>Sphagnum</i>			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/6</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>none</i> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <i>to surface</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>none</i>  Depth to Free Standing Water in Pit (in.): <i>surface</i>  Depth to Saturated Soil (in.): <i>surface</i>	
Remarks:	

Date: 5/18/06  
 Community ID:  
 Plot ID: WT6 85B-881

**SOILS**

Map Unit Name (Series and Phase): n/A  Taxonomy (SubGroup): n/A	Drainage Class: PD  Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	Ap	10YR 2/1	none	none	FL
3-12"	Bw <sub>1</sub>	10YR 5/1	none	none	FS L

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Upland  
WTG 85B-652

Project Site: <u>Mantle River</u> Applicant/Owner: <u>Mantle River LHC</u> Investigator: <u>BR</u>	Date: <u>5/18/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>WTG 85B-652</u>

**VEGETATION**

*Road Side adj, WTG B Series*

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>3</u> Herb: <u>83.0</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Assorted Roadside Grass</u>	<u>Herb</u>	<u>FACU</u>	9.		
2. <u>Meadow Senece</u>	<u>Herb</u>	<u>FAC</u>	10.		
3. <u>Goldenrod</u>	<u>Herb</u>	<u>FACU</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>1/3 = 33</u>					
Remarks: <u>- Assorted roadside grass and goldenrod assumed FACU</u> <u>positive ID unavailable due to seasonal conditions</u>					

**HYDROLOGY**

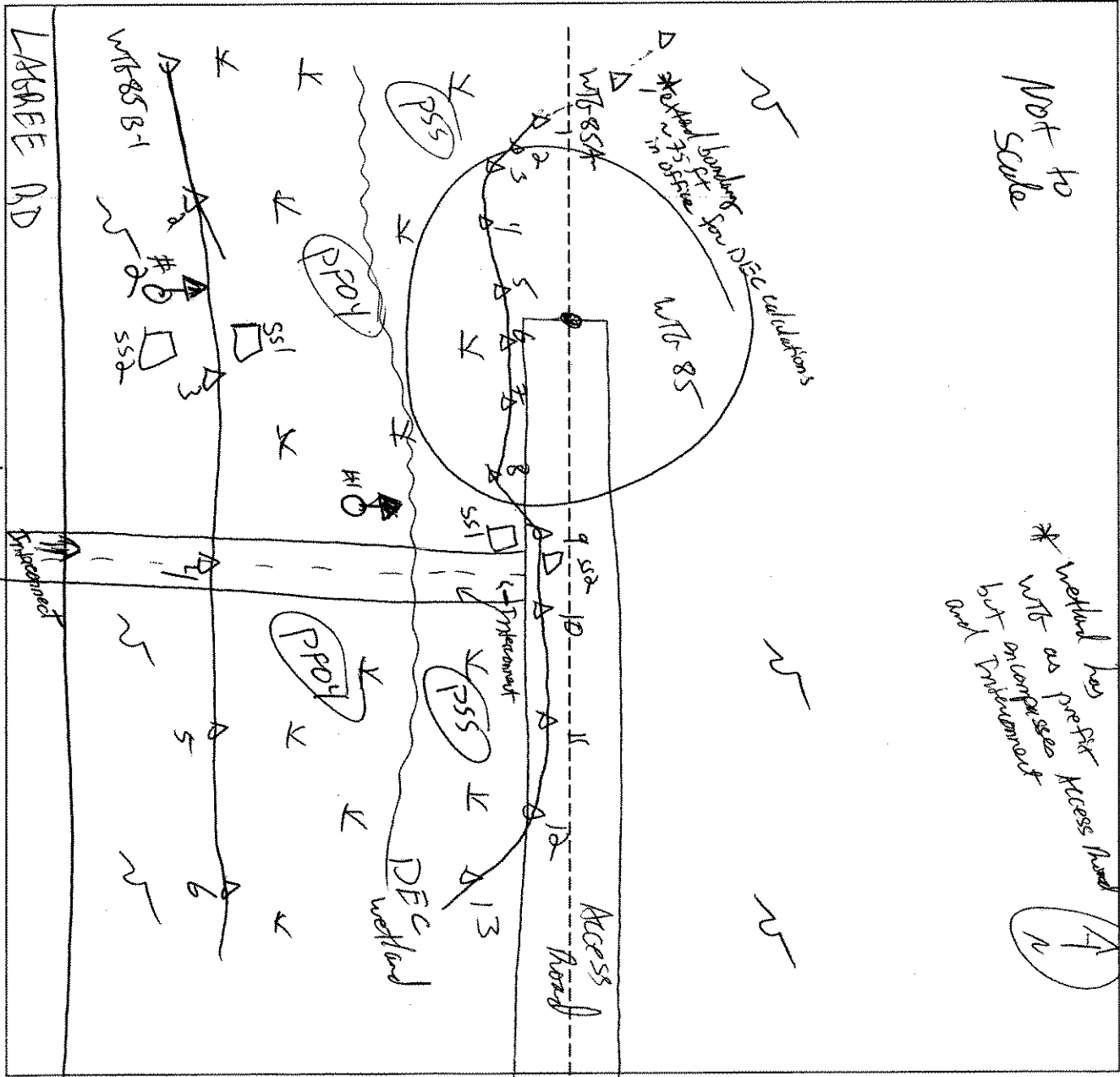
<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 12"</u> Depth to Saturated Soil (in.): <u>&gt; 12"</u>	
Remarks:	





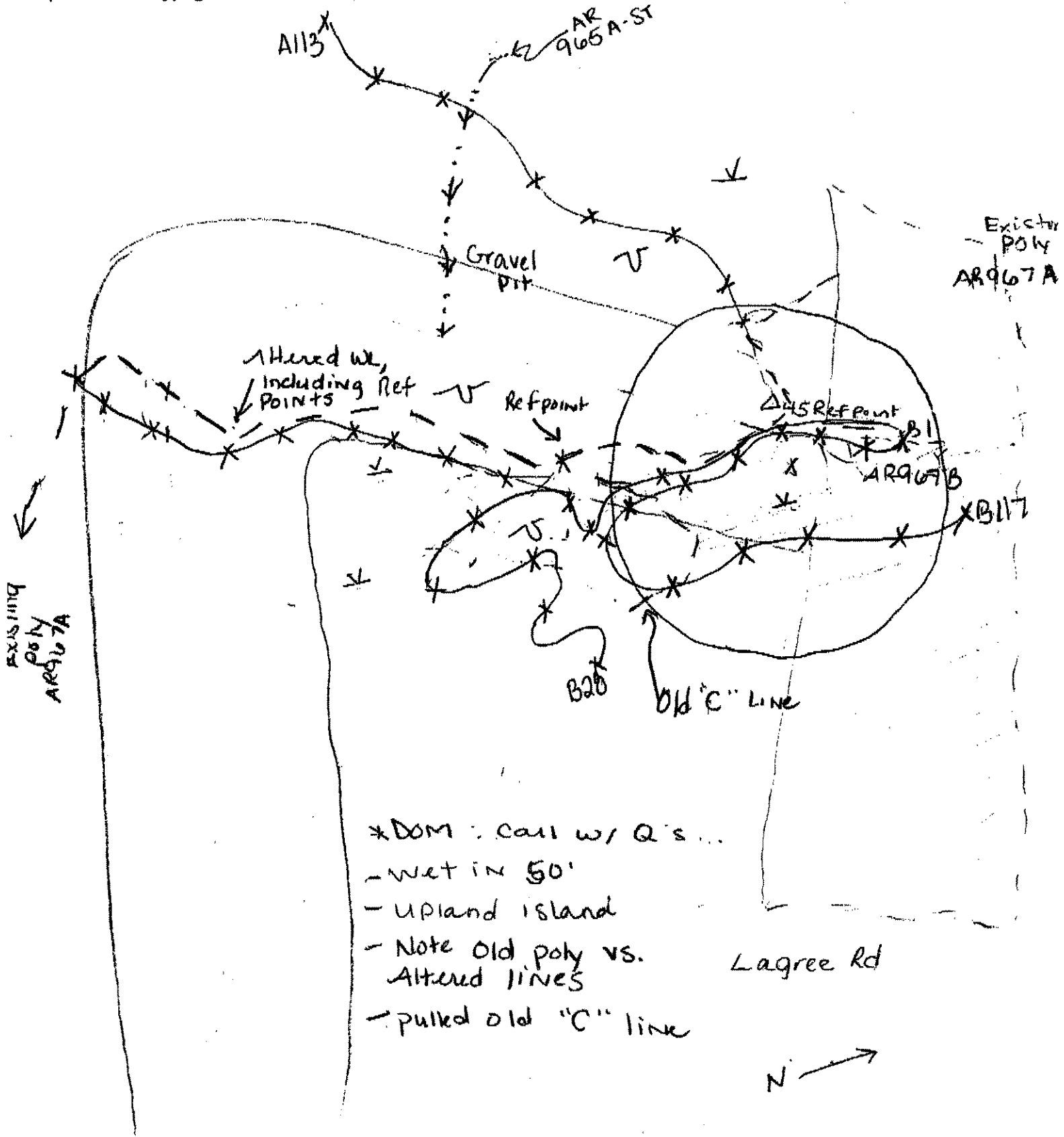
SKETCH FORM

Wetland ID/Route #: <i>W1685-A/B</i>	Date: <i>5/17/06</i>	Time:
Initials of Delineators: <i>BR, KH</i>	Location: <i>W1685</i>	
Roll #: <i>KH</i>	Frames: <i>1, 2</i>	



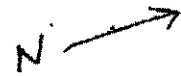
Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	North Arrow
	Wetland
	Upland
	Stream
	Intermittent Stream

AK965 including AK967 A ST  
for turbine B5 + AR



- \*DOM : call w/ Q's ...
- wet in 50'
- upland island
- Note old poly vs. Altered lines
- pulkd old "C" line

Lagree Rd



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Clinton County Wind Farm</i> Applicant/Owner: <i>Horizon</i> Investigator: <i>S. Ryan, J. Arnett</i>	Date: <i>10-11-05</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: Plot ID: <i>WTG 87A/B-55-1</i>

**VEGETATION**

Plant Community Classification: <i>PSS</i>					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>60</i> Herb: <i>100</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i> 30%	Tree	FAC	9.		
2. <i>Alnus incana</i> spp. <i>rugosa</i> 15%	Tree	FACW+	10.		
3. <i>Rubus idaeus</i> 10%	Shrub	FAC-	11.		
4. <i>A. incana</i> spp. <i>rugosa</i> 30%	Shrub	FACW+	12.		
5. <i>Ulmus americana</i> 15%	Tree	FACW+	13.		
6. <i>Carex</i> spp. 5%	Herb		14.		
7. <i>Dryopteris intermedia</i> 15%	Herb	FACV	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/7 71%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>Ø</i> Depth to Free Standing Water in Pit (in.): <i>5 in</i> Depth to Saturated Soil (in.): <i>at surface</i>	
Remarks:	

Date: 11 Oct 2005  
 Community ID:  
 Plot ID: WTB 87 AB SS-1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	silt loam
6-12	B	2.5Y 5/3	10YR 5/8	few / large / distinct	medium sand
<b>Hydro Soil Indicators</b>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input checked="" type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: * Auger refusal @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton Co. Wood Farm</u> Applicant/Owner: <u>H. Beren</u> Investigator: <u>J. Arnett, J. Farrell, S.</u>	Date: <u>11 Oct 2005</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>WTG 87 A/B SS2</u>

**VEGETATION**

UPLAND FOREST

Plant Community Classification:						
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>30</u> Herb: <u>70</u> Vine: <u>0</u>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
<input checked="" type="checkbox"/> 1. <u>Ulmus americana</u> 20	T	FACW	<input checked="" type="checkbox"/> 9. <u>Dryopteris intermedia</u> 60	H	FACU	
<input checked="" type="checkbox"/> 2. <u>Acer rubrum</u> 25	T	FAC	10. <u>Adiantum Aly. tenuis</u> 10	H		
<input checked="" type="checkbox"/> 3. <u>Abies balsamea</u> 30	T	FAC	11.			
<input checked="" type="checkbox"/> 4. <u>Prunus serotina</u> 20	T	FACU	12.			
<input checked="" type="checkbox"/> 5. <u>Fraxinus pennsylvanica</u> 10	T	FACW	13.			
<input checked="" type="checkbox"/> 6. <u>Prunus serotina</u> 10	S	FACU	14.			
<input checked="" type="checkbox"/> 7. <u>Fraxinus sylvatica</u> 10	S	FACW	15.			
<input checked="" type="checkbox"/> 8. <u>Rubus idaeus</u> 10	S	FACU	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/8 = 50%</u>						
Remarks:						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>No indicators of hydrology</u>	

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A <sub>0</sub>	10YR 3/2	—	—	loam
3-6	A	10YR 3/2	—	—	silt loam
6-10	B <sub>1</sub>	10YR 4/2	—	—	silt loam
10-18	B <sub>2</sub>	2.5Y 5/2	—	—	silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> (Circle)	
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> (Circle)	
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> (Circle)	
		Is this Sample Station Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)
		Is this an Isolated Wetland?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks: upland that rises very gradually from extensive PSS to the east			

Wetland  
D.G. GMA B

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BO</i>	Date: <i>5/18/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>PFO</i>

*WTB 87B - Pines - 851*

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *63* Shrub: *38.0* Herb: *84.5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Balsam Fir</i>	<i>Tree</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Alder</i>	<i>Shrub</i>	<i>FACW</i>	<i>10.</i>		
<i>3. Assorted Grasses</i>	<i>Herb</i>	<i>FAC</i>	<i>11.</i>		
<i>4. Marsh Fern</i>	<i>Herb</i>	<i>FACW</i>	<i>12.</i>		
<i>5. Sensitive Fern</i>	<i>Herb</i>	<i>FACW</i>	<i>13.</i>		
<i>6. Spunk-Cumard</i>	<i>Herb</i>	<i>FACW</i>	<i>14.</i>		
<i>7. B/W Cherry (seedling)</i>	<i>Herb</i>	<i>FACW</i>	<i>15.</i>		
<i>8</i>			<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *6/7*

Remarks:  
*Assorted Grasses assumed FAC, unable to positively ID due to seasonal conditions*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <i>at 4"</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>none</i>  Depth to Free Standing Water in Pit (in.): <i>4"</i>  Depth to Saturated Soil (in.): <i>4"</i>	
Remarks:	

*Photo #8 look by SW*

Date: 5/18/06  
 Community ID: PFD/065  
 Plot ID:

WTG 87B-SS-1 Wetland

**SOILS**

Map Unit Name (Series and Phase): W/A  
 Taxonomy (SubGroup): N/A  
 Drainage Class: PD  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10Y2 2/1	none	none	non
10-16"	Bw <sub>1</sub>	10Y2 4/2	10Y2 2/1	Few / med / distinct	FS

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Updated  
V.G WTG 87B-6B

Project Site: <i>Market Down</i> Applicant/Owner: <i>Market Down LLC</i> Investigator: <i>BP</i>	Date: <i>5/18/07</i> County: <i>Clinton</i> State: <i>MS</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>P20/P25</i> Transect ID: Plot ID: <i>P50</i>

WTG 87B-552

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *63.0* Shrub: *10.5* Herb: *38.0* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Baldwin Fir</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Sweetgum</i>	<i>Tree</i>	<i>FACW</i>	10.		
3. <i>Alder</i>	<i>Shrub</i>	<i>FACW</i>	11.		
4. <i>Wood Sora (Emergreen)</i>	<i>Herb</i>	<i>FACW</i>	12.		
5. <i>Bitter Cherry Seedlings</i>	<i>Herb</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/5 = 40*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 19"</i> Depth to Saturated Soil (in.): <i>&gt; 14"</i>	
Remarks:	

Date: 5/18/06  
 Community ID:  
 Plot ID: PD0 / P40  
 WT687B - B Series - 6502

**SOILS**

Map Unit Name (Series and Phase): PD  
 Drainage Class: MWD  
 Taxonomy (SubGroup): PD  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/2	None	None	FSL
10-14	Bw <sub>1</sub>	10YR 3/4	None	None	FSL

- Hydro Soil Indicators
- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

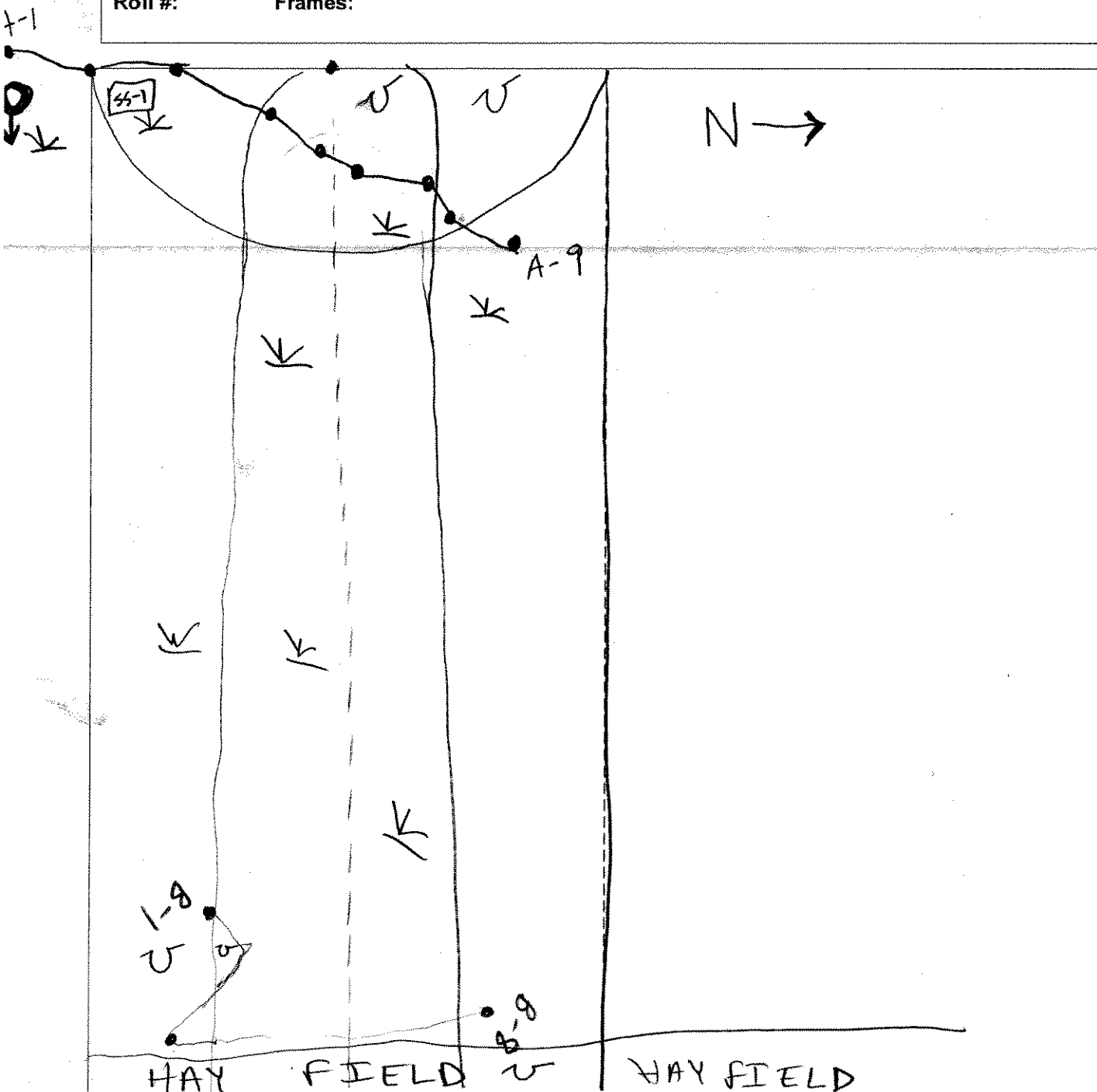
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No	

Remarks

SKETCH FORM

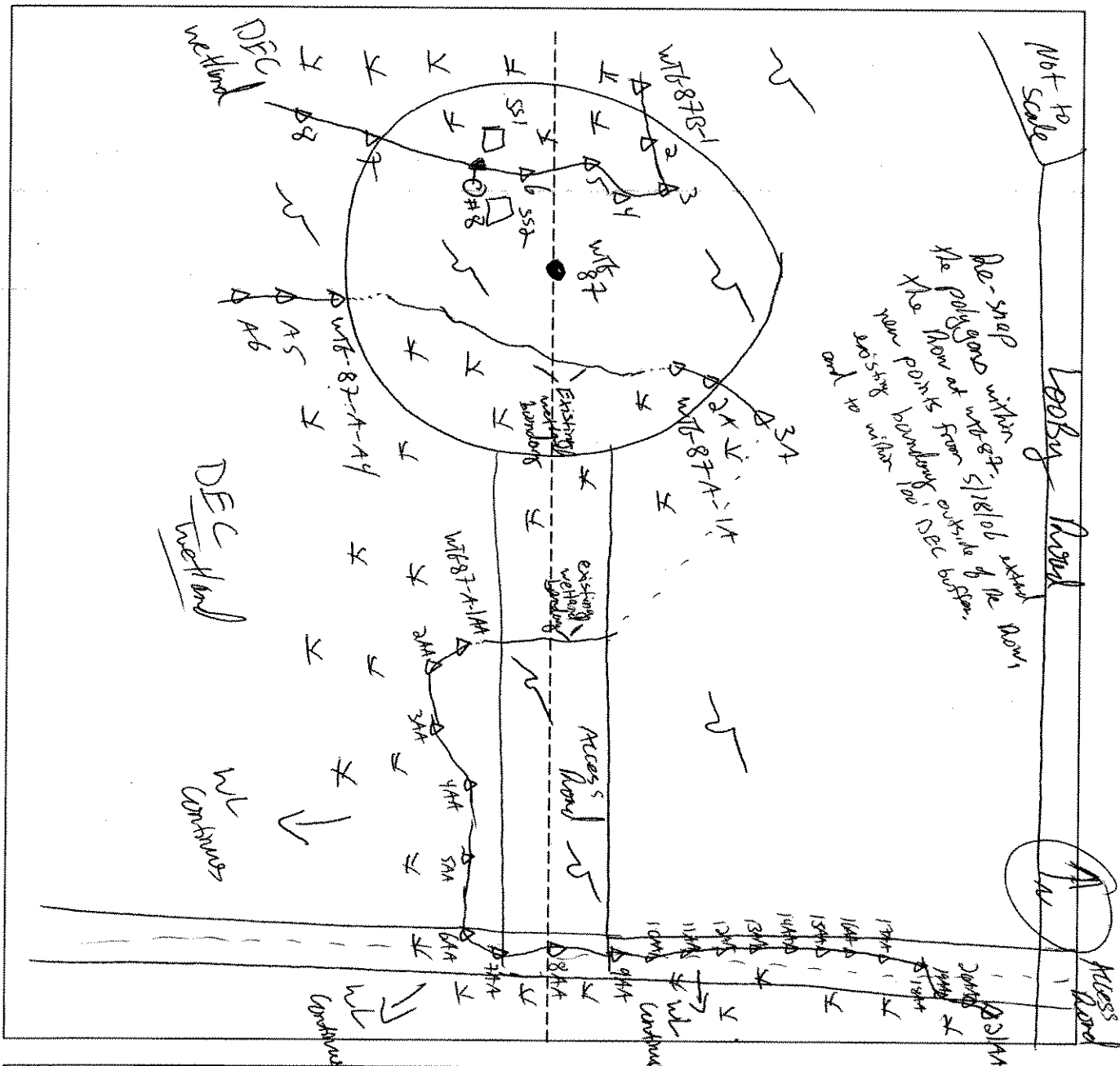
Wetland ID/Route #: WTG 87 A/B	Date: 10-11-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



Legend	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∇	Wetland
—	Upland
—	Stream
- . .	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: WTG-87A + WTG-87B	Date: 5/18/06	Time:
Initials of Delineators: BR, KSH	Location: WTG-87	
Roll #: KSH	Frames: 8, SW	



**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream
North Arrow	

WTB 87- Wetland  
D.B WTB 87c ID

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Mumble Run</i> Applicant/Owner: <i>Mumble Run LLC</i> Investigator: <i>BZ</i>	Date: <i>5/19/06</i> County: <i>Canton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>P85/P86</i> Transect ID: Plot ID:

WTB 87-C-861

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: *20.6* Shrub: *38.0* Herb: *85.5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Nanny Bush</i>	<i>Shrub</i>	<i>FACW</i>	9.		
2. <i>Red Spruce Dogwood</i>	<i>Shrub</i>	<i>FACW</i>	10.		
3. <i>Meadow Grasses</i>	<i>Shrub</i>	<i>FAC</i>	11.		
4. <i>Ginger Maple</i>	<i>Tree</i>	<i>FACU</i>	12.		
5. <i>Perennial Grasses</i>	<i>Herb</i>	<i>FACW</i>	13.		
6. <i>Musk Mungo</i>	<i>Herb</i>	<i>FACW</i>	14.		
7. <i>Spunk Currant</i>	<i>Herb</i>	<i>FACW</i>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *6/7*

Remarks:  
*Perennial Grasses assumed FACW, unable to positively ID due to seasonal conditions*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>None</i>  Depth to Free Standing Water in Pit (in.): <i>Surface</i>  Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 5/19/06  
 Community ID:  
 Plot ID: P60/P60

WTB BDC- G/S 1

**SOILS**

Map Unit Name (Series and Phase): N/A  
 Taxonomy (SubGroup): N/A  
 Drainage Class: PD  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	AP	10Y2 2/1	None	None	FC2
4-14	Bw <sub>1</sub>	10Y2 5/1	10Y2 6/4	Few/Med / Distinct	FC2

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks

WTG 87C → Upland  
 V.G. WTG 87C-10

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BR	Date: 9/19/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: pgs 1 P58 Transect ID: Plot ID: WTG 87C-852 -

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 85.5 Shrub: 20.5 Herb: 3.0 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	Tree	FACU	9.		
2. Blk Cherry	Tree	FACW	10.		
3. Wnt Ash	Tree	FACU	11.		
4. Blk Cherry (Seedling)	Herb	FACU	12.		
5. Blk Cherry	Shrub	FACU	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0/5

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: none Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): none Depth to Free Standing Water in Pit (in.): > 16" Depth to Saturated Soil (in.): > 16"	
Remarks:	

Date: 5/19/06  
 Community ID:  
 Plot ID:

D.G. WTG 87210 -867

**SOILS**

Map Unit Name (Series and Phase): N/A	Drainage Class: MWD
Taxonomy (SubGroup): N/A	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR 3/2	none	none	F66
8-16	Bw <sub>1</sub>	10YR 4/6	none	none	F66

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

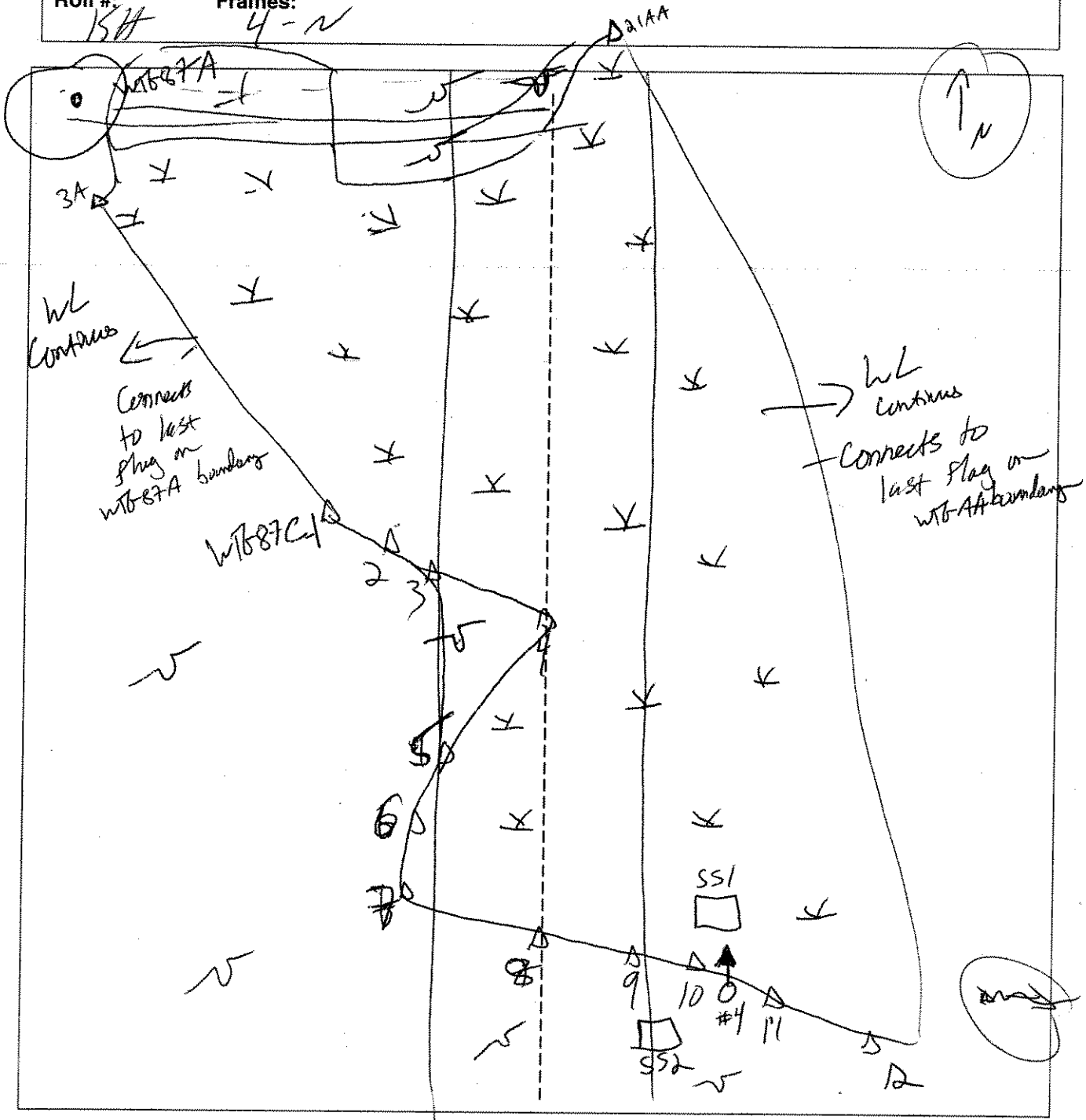
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks



SKETCH FORM

Wetland ID/Route #: <i>WB87A/C</i>	Date: <i>5/19/06</i>	Time:
Initials of Delineators: <i>KA, BK</i>	Location: <i>South of WB 87</i>	
Roll #: <i>KA</i>	Frames: <i>4-N</i>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BD</i>	Date: <i>7-13-06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>WTC 80-A-991</i>							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <input checked="" type="radio"/> Shrub: <input checked="" type="radio"/> Herb: <i>100</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Spiraea alba</i>	H	OBL	9. <i>Aster</i>	H	-
2. <i>Spiraea</i>	H	FACW	10.		
3. <i>Spiraea</i>	H	OBL	11.		
4. <i>Spiraea</i>	H	OBL	12.		
5. <i>Spiraea</i>	H	FACW	13.		
6. <i>Solidago</i>	H	-	14.		
7. <i>Spiraea</i>	SH	FAC	15.		
8. <i>Spiraea</i>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>early for Solidago + aster. E.D.</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>2" - surface</i>	
Remarks:	

Date: 7-13-06  
 Community ID: wetland  
 Plot ID: WTC 70-4-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	2.5Y 5/1	7.5YR 7/6	75%	loamy sand
10-11	B	2.5Y 5/2	10YR 4/6	5%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <div style="text-align: center; font-size: 1.2em; font-family: cursive;">extreme stony/bouldery</div>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: <div style="text-align: center; font-size: 1.5em; font-family: cursive;">P11 → W</div>			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BR</i>	Date: <i>7/12/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site?      Yes    No Is the site significantly disturbed (Atypical Situation)?    Yes <del>No</del> Is the area a potential Problem Area?                              Yes <del>No</del> (If needed, explain on reverse.)	Community ID: <i>CPLA-12</i> Transect ID: Plot ID: <i>WTG-90-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:      Tree:                              Shrub:                              Herb:                              Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Blackberry (R. allegheniensis)</i>	<i>SH</i>	<i>FACW</i>	9.		
2. <i>Blackberry (R. idaeus)</i>	<i>SH</i>	<i>FAC-</i>	10.		
3. <i>Vernal grass (A. odoratum)</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Plantain</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Leaf Sachet</i>	<i>SH</i>	<i>FACW</i>	13.		
6. <i>Oxeye Daisy</i>	<i>H</i>	<i>NI</i>	14.		
7. <i>Spirea latifolia</i>	<i>SH</i>	<i>FAC+</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>17%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>NONE</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.): <i>None</i>  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-13-06  
 Community ID: UPLand  
 Plot ID: WT610A-532

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A <sub>2</sub>	10 YR 7/2	None		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:  <div style="text-align: center; font-family: cursive;">@ x heavy stony</div>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: WTG-90A	Date: 7.13.06	Time:
Initials of Delineators: BQ	Location: Turbine 90	
Roll #:	Frames: Photo facing South	

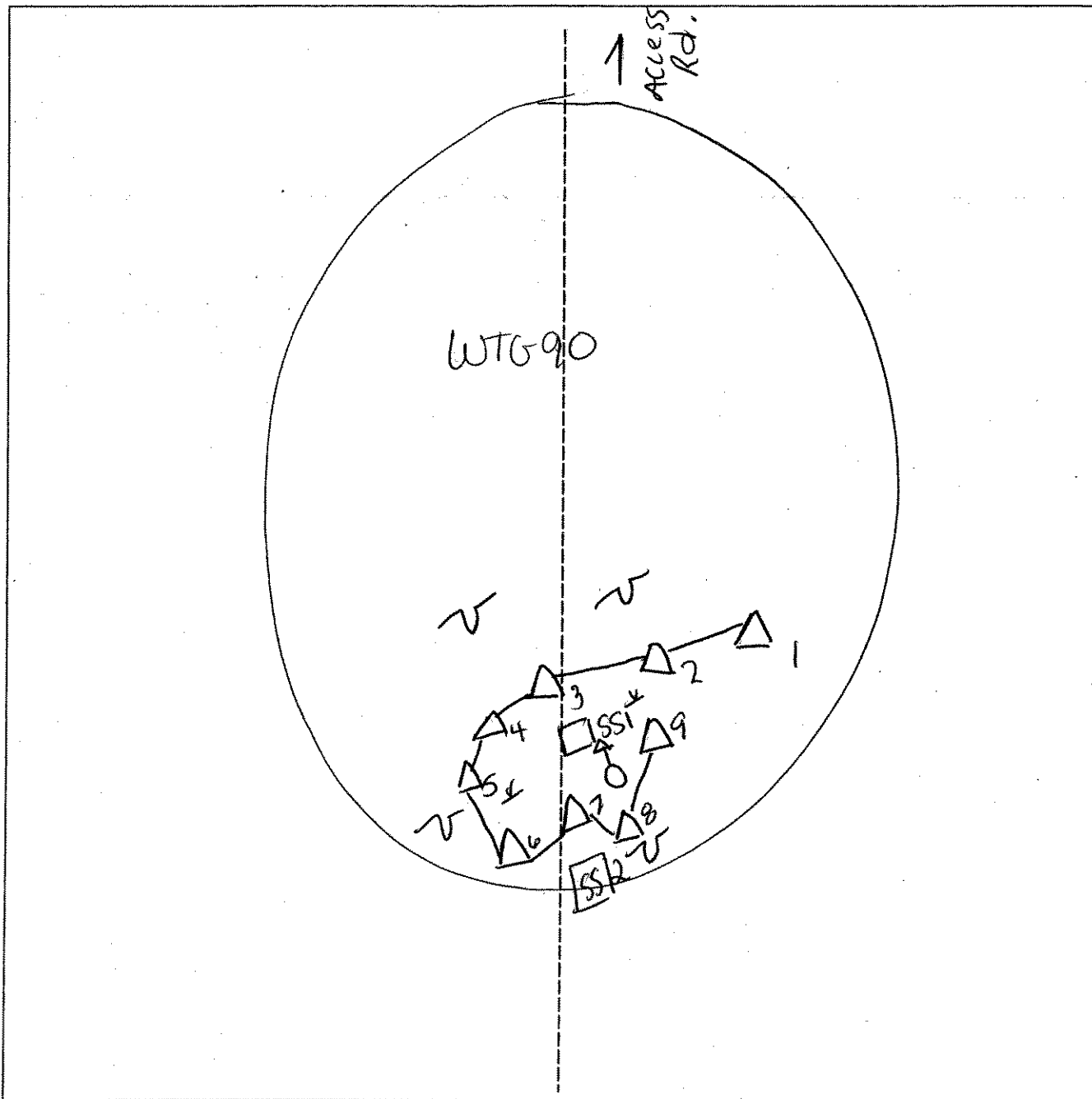


Photo Location/Direction	<b>Legend</b>	Wetland	 
Sample Station		Upland	
Centerline		Stream	
Flag		Intermittent Stream	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Other Transect ID: Plot ID: WT690-A SSI

**VEGETATION**

Plant Community Classification: runoff channel between upl woods					
Percent Canopy Cover: w/ w/ Tree: 0 Shrub: 0 Herb: 0-100% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Black Sakeroot	H	FAC	9.		
2. Erythronium americanum	H	FAC	10.		
3. Impatiens capensis	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated - Flowing west <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): < 1" Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/3/07  
 Community ID:  
 Plot ID: WT690-A 881

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/1			Silt loam

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks: Refusal @ 10"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Photo 8 => E  
 Portions of wetland are characteristic of stream channel -  
 Flowing water from spring runoff. Runoff eventually  
 flows under ground.



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/3/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WPL</u> Transect ID: Plot ID: <u>WT690-A-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>90</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>Malus grandifolia</u>	<u>S</u>	<u>FACU</u>	10.		
3. <u>Cordaeus sp</u>	<u>S</u>	<u>UDL</u>	11.		
4. <u>Thronium americanum</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Athyrium Felix Femina</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Fragaria virginiana</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Prunus serotina</u>	<u>S</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>450%</u>					
Remarks: <u>Malus tree growing outside the channel</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>N/A</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/3/07  
 Community ID: UPL  
 Plot ID:  
 WTG90-A-552

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2			Fine Sandy loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks:

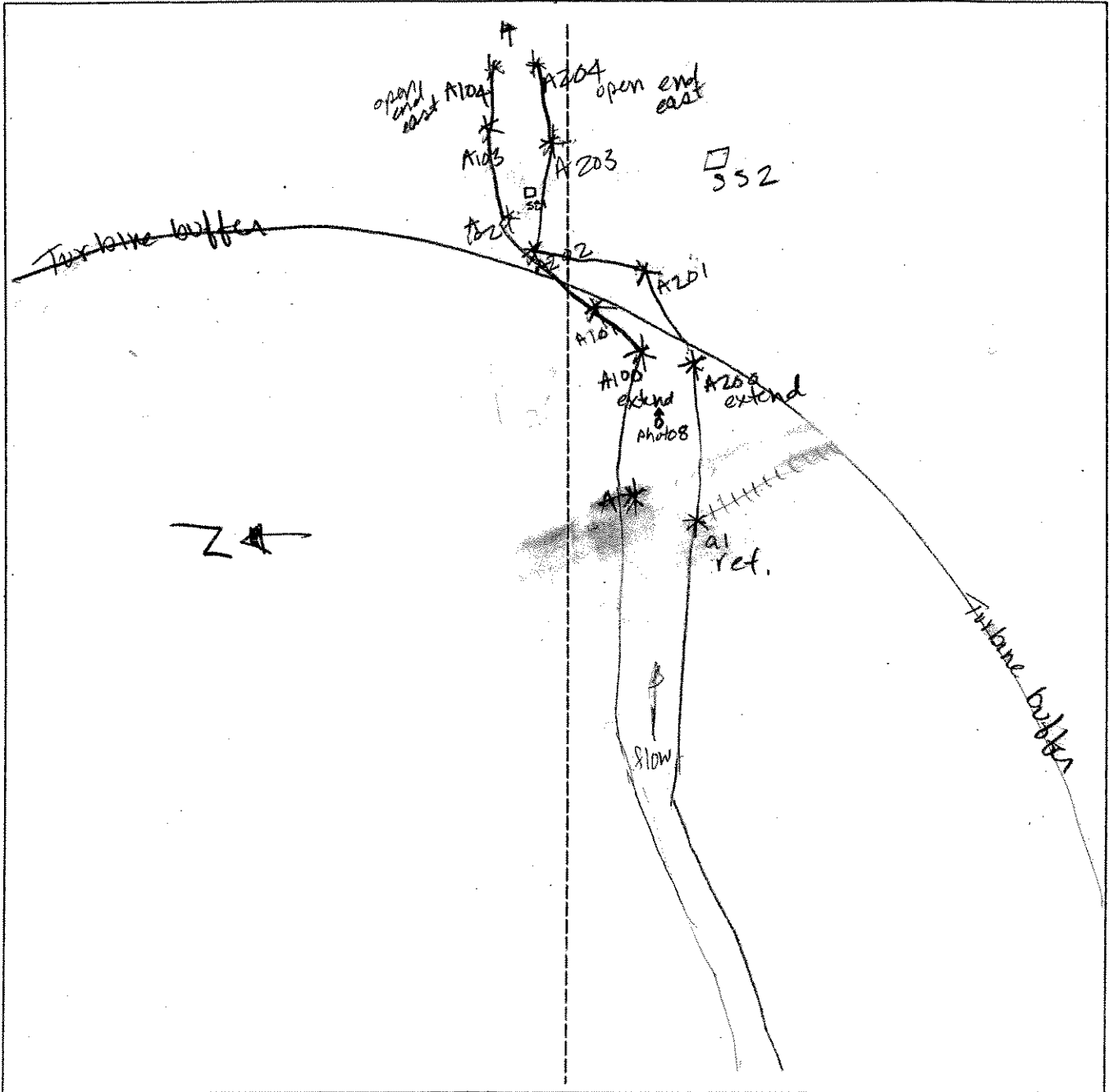
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: WT690A EXTENSION	Date: 3 May 07	Time:
Initials of Delineators: JV: AP	Location: WT690A	
Roll #: Frames:	photo 8 facing A100: A200 extend - East	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble Ridge LLC</i> Investigator: <i>BC</i>	Date: <i>7-14-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No          Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No          (If needed, explain on reverse.)       </span></span>	Community ID: <i>WET</i> Transect ID: Plot ID: <i>WTG 91 A 551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>10</i> Herb: <i>90</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Carex crinata</i>	<i>H</i>	<i>OBL</i>	<i>9.</i>		
<i>2. Quackia sensibilis</i>	<i>H</i>	<i>FACW</i>	<i>10.</i>		
<i>3. Agropyron repens</i>	<i>H</i>	<i>FACU</i>	<i>11.</i>		
<i>4. Impatiens capensis</i>	<i>H</i>	<i>FACU</i>	<i>12.</i>		
<i>5. Glycyeria striata</i>	<i>H</i>	<i>OBL</i>	<i>13.</i>		
<i>6. Spirea latifolia</i>	<i>SH</i>	<i>FACU</i>	<i>14.</i>		
<i>7. Solidago sp.</i>	<i>H</i>	<i>—</i>	<i>15.</i>		
<i>8. Fraxinus americana</i>	<i>T</i>	<i>FACU</i>	<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>71%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>1"</i>  Depth to Free Standing Water in Pit (in.): <i>Surface</i>  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-14-06  
 Community ID: wetland  
 Plot ID: WTC 91-A-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	2.5Y 3/1	7.5 YR 5/4	2%	Sandy loam
10-20+	Bw	2.5Y 6/2	7.5 YR 4/4	710%	Sandy sand

**Hydro Soil Indicators**

- |  |  |
|--|--|
| <input type="checkbox"/> Histosol<br><input type="checkbox"/> Histic Epipedon<br><input type="checkbox"/> Sulfidic Odor<br><input type="checkbox"/> Aquic Moisture Regime<br><input type="checkbox"/> Reducing Conditions<br><input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions<br><input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils<br><input type="checkbox"/> Organic Streaking in Sandy Soils<br><input type="checkbox"/> Listed on Local Hydric Soils List<br><input type="checkbox"/> Listed on National Hydric Soils List<br><input type="checkbox"/> Other (Explain in Remarks) |
|--|--|

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks

Pec 1 → E

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCP</i>	Date: <i>7-14-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Vpland</i> Transect ID: Plot ID: <i>WTO 91-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>20</i> Herb: <i>35</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Saccharum</i>	<i>T</i>	<i>FACU-</i>	9.		
2. <i>Golden Alexanders (Zizia aurea)</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>Indian Mallow</i>	<i>H</i>	<i>NI</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>none</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>none</i>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <i>-Clear topo boundary</i>	

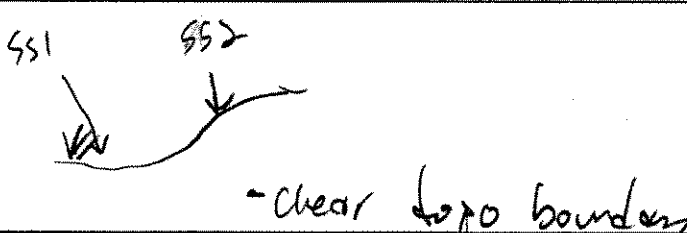
Date: 7-14-06  
 Community ID: Upland  
 Plot ID:

WTG 91 A 551

**SOILS**

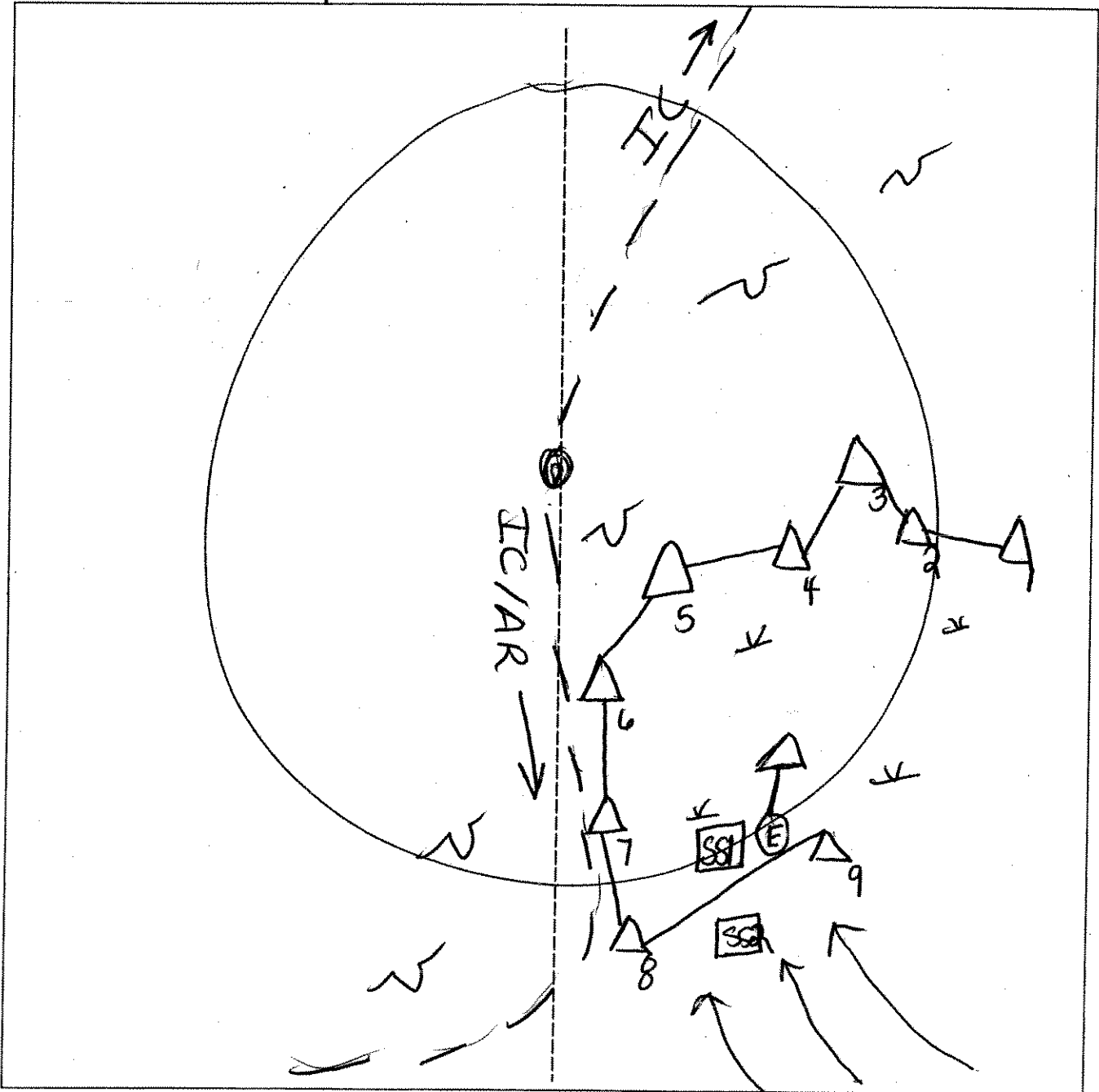
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2	none		
8-15	Bw	10YR 4/4	none		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			
 <p style="text-align:center;">- clear topo boundary</p>			

SKETCH FORM

Wetland ID/Route #: <b>WTC-91A</b>	Date: <b>7-14-06</b>	Time:
Initials of Delineators: <b>BQ</b>	Location: <b>Turbine 91</b>	
Roll #:	Frames: <b>photo facing East</b>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

N



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <b>BQ SV</b>	Date: <b>7-11-06</b> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <b>WET</b> Transect ID: Plot ID: <b>WT6 93 SS1</b>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <b>0</b> Shrub: <b>5</b> Herb: <b>100%</b> Vine: <b>0</b>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	H	OBL	9. <i>Slippery Elm</i>	SH	FAC
2. <i>Carex scoparid</i>	H	FACW	10.		
3. Tall Butcherb (R. aerig)	H	FAC+	11.		
4. <i>Galium mollugo</i>	H	FACW	12.		
5. <i>Juncus effusus</i>	H	FACWT	13.		
6. <i>Agrostis alba</i>	H	FACW	14.		
7. <i>Carex vulpinoidea</i>	H	OBL	15.		
8 Timothy	H	FACV	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <b>78%</b>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <b>N/A</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-11-06  
 Community ID: WET  
 Plot ID:

WTG 93 551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	5Y 2.5/1	7.5YR 3/3	75%	Sandy loam
12-16+	B <sub>g</sub>	2.5Y 8/1	10YR 4/4 } 10YR 6/6 }	75%	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Shallow bedrock

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Remarks:  
 Wet meadow

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-11-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WT693 592</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Timothy</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Plantain</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>Lesser Stickwort (Stellaria graminifolia)</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Canadian thistle</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>tall buttercup</u>	<u>H</u>	<u>FAC+</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>20%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>NA</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	<u>None</u>
Remarks:	

Date: 7-11-06  
 Community ID: Upland  
 Plot ID:

WTG 93 992

**SOILS**

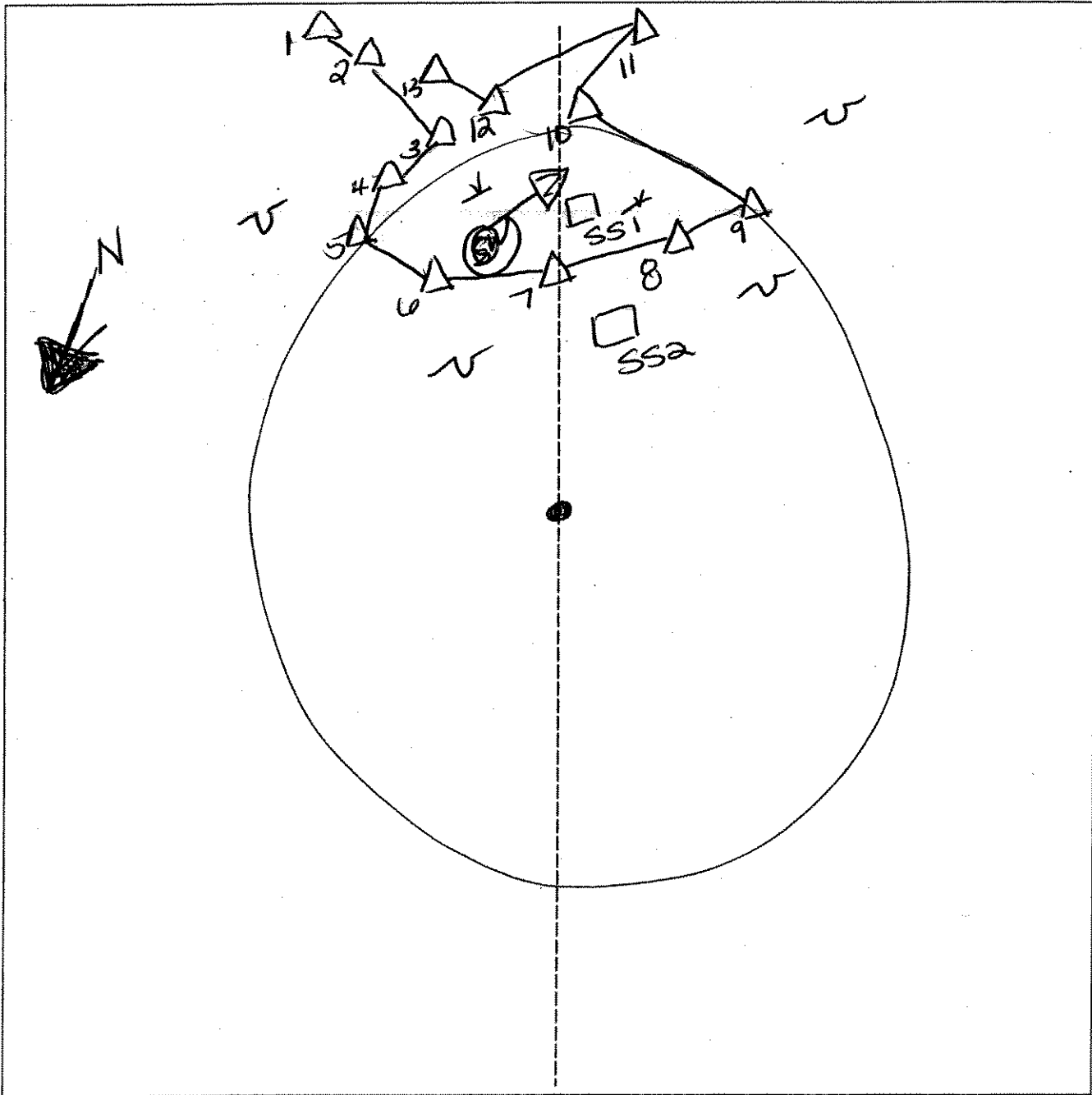
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	A <sub>1</sub>	10YR 7/2	-	-	Sandy loam
15-20"	B <sub>W</sub>	2.5Y 8/4	-	-	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: WTG 93	Date: 7.11.06	Time:
Initials of Delineators: BQ JV	Location: Turbine 93	
Roll #:	Frames: => SW	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RTD, SC</u>	Date: <u>7/11/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? Yes <u>No</u> Is the area a potential Problem Area? Yes <u>No</u> (If needed, explain on reverse.)	Community ID: <u>Wetlands</u> Transect ID: <u>WT697A</u> Plot ID: <u>SSI</u>

**VEGETATION**

PEM

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 90% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sensitive Fern	H	FACW	9.		
2. Interrupted Fern	H	FAC	10.		
3. Grass	H	—	11.		
4. Pinnate Sensitive Fern	H	OBL	12.		
5. Parsnip	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: DK grass tall rush observed in NE portion of wetland. Along edge of Ag field

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test  <input checked="" type="checkbox"/> Other (Explain in Remarks)  <u>DRY ALGAE</u></p>
<p>Field Observations:          Depth of Surface Water (in.): <u>N/A</u>          Depth to Free Standing Water in Pit (in.): <u>N/A</u>          Depth to Saturated Soil (in.): <u>0"</u></p>	
<p>Remarks: <u>Drainage determined by stone row surface H<sub>2</sub>O from NE Ag field</u>  <u>photo 9 =&gt; WSW from WT697A-8</u></p>	

Date: 7/11/06  
 Community ID: WETLAND  
 Plot ID: WTL97A-SS1

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	—	—	Silty clay loam
6-10	E	10YR 6/2	—	—	SAND
10-18"	T <sub>3</sub>	10YR 2.5/3	10YR 4/6	Common / Dist	Sandy clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: -

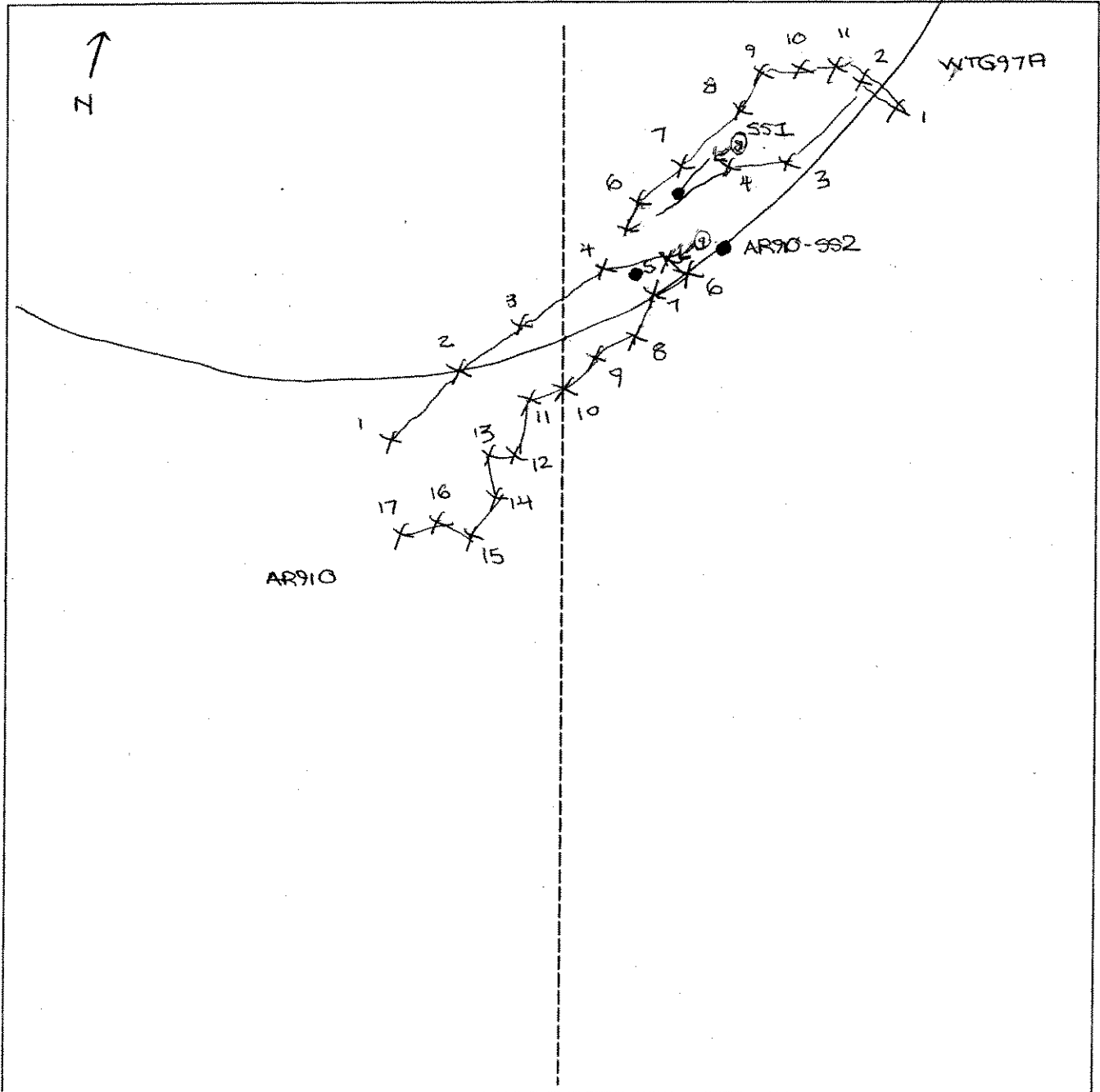
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks  
 Upland sample station shared w/ AR910A  
 (AR910A-SS2)

SKETCH FORM

Wetland ID/Route #: WTG97A / AR910A	Date: 07/11/06	Time:
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #: Frames: 8 9		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-11-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTG-112A-881</u>

**VEGETATION**

Plant Community Classification: <u>PSS/PEM</u>					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>60</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gould Birch</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Gould Birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Service berry</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Moss sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Sphagnum Moss</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Gould sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks: <u>- High bush blueberry in wetland, not dominant</u> <u>X present obligate</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>4</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-11-06  
 Community ID: Wetland  
 Plot ID: WTC112A-SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1					
2-3	O/A <sub>1</sub>	10YR-2/1			sphagnum forams / roots / silt
6-8	A <sub>2</sub>	10YR-2/1			silt / roots
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal at 8 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
- pit # 3 looks M/N @ SSI - sphagnum bog wetland			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Monk River</u> Applicant/Owner: <u>Horizon Wind power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-11-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WTG-112A-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous Mix</u>					
Percent Canopy Cover: Tree: <u>10%</u> , Shrub: <u>70%</u> , Herb: <u>15%</u> , Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grey Birch</u>	<u>T</u>		9.		
2. <u>Red Maple</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Bra Maple</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Beech</u>	<u>S</u>	<u>FACU</u>	12.		
5. <u>Lowbush blueberry</u>	<u>H</u>	<u>FACU-</u>	13.		
6. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>6"</u>	
Remarks:	

Date: 5-11-06  
 Community ID:  
 Plot ID: WTC 112A-582

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	-	-	-	Loam/peat/roots
6-10	A	10YR-3/1	-	-	Sandy Silty sand
7-10	E	7.5YR-3/2	-	-	Silty sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 refusal @ 10"  
 ✓

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>RHUC</u>	Date: <u>5-11</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTO112B5D-SSA</u>

**VEGETATION**

Plant Community Classification: <u>PF01/PSS</u>					
Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>50</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White Pine</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Gray Birch</u>	<u>F</u>	<u>FAC</u>	10.		
3. <u>Cow Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Narrow Leaf</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Alder Rubrum</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Low Bush Shebang</u>	<u>H</u>	<u>FACU-</u>	14.		
7. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks: <u>A presumed obligate Sphagnum bog in forest</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>MA</u> Depth to Free Standing Water in Pit (in.): <u>2</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-11-06  
 Community ID: Wetland  
 Plot ID: WTG-112 BCD

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4 9-9	O A	10YR 2/1			organics / splay silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal to core 9 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: pit # 4 loose we ss1			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KTN</u>	Date: <u>5/11-06</u> County: <u>Clinton</u> State: <u>NM</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes <input type="radio"/> <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;">Yes <input type="radio"/> <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WT0112 BFA-38</u>

**VEGETATION**

Plant Community Classification: <u>Deciduous Forest</u> Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>70</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aspen</u>	<u>T</u>	<u>FAC</u>	9. <u>Lichen</u>	<u>H</u>	<u>NEW</u>
2. <u>Aspen</u>	<u>S</u>	<u>FACV</u>	10.		
3. <u>Aspen</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>White Pine</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>White Pine</u>	<u>H</u>	<u>FACV</u>	13.		
6. <u>Low bush blueberry</u>	<u>H</u>	<u>FACV-</u>	14.		
7. <u>Canada Mayflower</u>	<u>H</u>	<u>FACV</u>	15.		
8. <u>Blackberry</u>	<u>H</u>	<u>FACV</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>26%</u>					
Remarks: <u>* Not indicated</u>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

Date: 5-11-06  
 Community ID: Upland  
 Plot ID: WTC-112 BCD

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	-	-	-	Plant roots/organisms
2-4	A	10YR-2/1	-	-	Silt loam
4-8	E	7.5YR-5/2	-	-	Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: reversal of upper 6 notes					

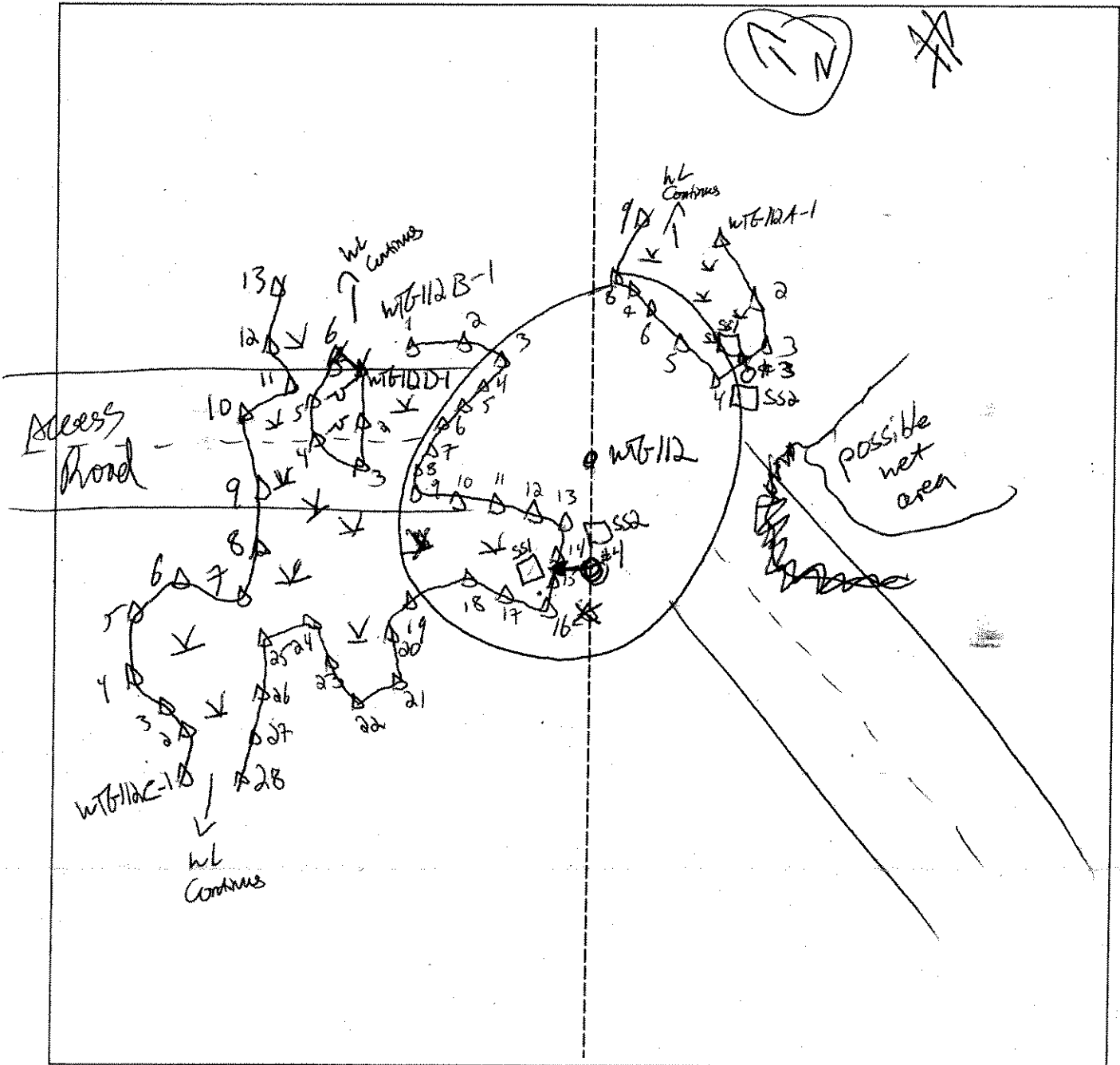
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			



SKETCH FORM

Wetland ID/Route #: <i>WTB12A and WTB12B/C/D</i>	Date: <i>5/11/06</i>	Time:
Initials of Delineators: <i>ISH, JV</i>	Location: <i>WTB12A</i>	
Roll #: <i>1517</i>	Frames: <i>3 - w/nw, 4 n/nw</i>	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MAKIE RIVER</u> Applicant/Owner: <u>MAKIE RIVER, LLC</u> Investigator: <u>RD, DT</u>	Date: <u>5/12/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLANDS</u> Transect ID: <u>WTB114A</u> Plot ID: <u>SS1</u>

**VEGETATION**

PPD

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>45%</u> Shrub: <u>25%</u> Herb: <u>65%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/K/H</u>	<u>FAC</u>	9.		
2. <u>Gray birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>SDWAG moss</u>	<u>H</u>	<u>OBL*</u>	11.		
4. <u>MAY FLOWN</u>	<u>H</u>	<u>FAC-</u>	12.		
5. <u>CLW moss</u>	<u>H</u>	<u>-</u>	13.		
6. <u>CALYX SP</u>	<u>H</u>	<u>-</u>	14.		
7. <u>ASTIL SP</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/6

Remarks:  
\* ASSUME OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>8" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks: <u>Photo 2 (Kohls area) -&gt; S AT wetland for WTB114A -&gt;</u>	

Date: 5/12/06  
 Community ID: W0204  
 Plot ID: WTB114A-881

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	O	5YR 3/2	-	-	PEAT
5-8	A	10YR 2/1	-	-	SIF *
8-18	B	10YR 5/3			SANDY LOAM

Hydro Soil Indicators

<input checked="" type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \* Black muck

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>MARBLE River LLC</u> Investigator: <u>[Signature]</u>	Date: <u>5/12/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>42A</u> Transect ID: <u>WTB-114A</u> Plot ID: <u>552</u>

**VEGETATION**

upland Decid Forest

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: 55% Shrub: 9% Herb: 68% Vine: 7%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T/S/H	FAC	9. Sugar maple	S/H	FACU
2. Clubmoss	H	-	10. Sm White trillium	H	FAC
3. Whorled Ailanthus	H	FAC-	11. Red oak	T	FACU-
4. Amer. Beech	T/S	FACU	12. TORPEDO Oak	T	FACU-
5. Gray Birch	T/S	FAC	13. Serviceberry	H	FAC
6. May flower	H	FAC-	14. Wood fern	H	-
7. Tree- Pile- Club moss	H	FACU	15.		
8. Tree- Pile- fern	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 7/18

Remarks: Open understory / Light canopy

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	
Remarks:	

Date: 5/12/06  
 Community ID: Upl Area  
 Plot ID: WTB114A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1	-	-	CLAYICS
3-9	A	7.5YR 5/2 7.5YR 3/2	50/50 mix	-	SILT/CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Reduced to 9"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER LLC</u> Investigator: <u>PTD, PRT</u>	Date: <u>8/21/06</u> County: <u>CIN</u> State: <u>OH</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
Community ID: <u>Wetlands</u> Transect ID: Plot ID: <u>WB11475-857</u>	

**VEGETATION**

Plant Community Classification: PFO, PSC

Percent Canopy Cover: Tree: 40 Shrub: 55 Herb: 79 Vine: 8

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>TROPIC WILLOW</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Gray herb</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Green man</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Club moss</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Wetland sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>ALICE sp</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>6"</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>0</u></p> <p>Depth to Saturated Soil (in.): <u>0</u></p>	<p>Remarks:</p> <p><u>photo 3 (ice in channel) → NORTH of wetlands from 552</u></p>

Date: 5/12/06  
 Community ID: Wetland  
 Plot ID: BWTB 114TB-587

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	7.5YR 2/3	—	—	Org. Am.
3-6	A	10YR 2/1	—	—	5IT 10A *
6-12	B	10YR 5/2 10YR 4/3	8YR 5/1	—	5IT 10A *
Hydro Soil Indicators:					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Referral of parent 124 <span style="float:right">- * blk muck</span>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	( Yes No )	Is this Sample Station Point Within a Wetland? ( Yes No )
Wetlands Hydrology Present?	( Yes No )	
Hydric Soils Present?	( Yes No )	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power, LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-11-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WTB-1148-SSA</u>

**VEGETATION**

Plant Community Classification: <u>Beech Maple Mesic Forest</u>					
Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>50%</u> Herb: <u>10%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Beech/Red Maple</u>	<u>T</u>	<u>FAC</u>			9.
2. <u>American Beech</u>	<u>S</u>	<u>FACU</u>			10.
3. <u>Red Maple</u>	<u>S</u>	<u>FAC</u>			11.
4. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>			12.
5. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>			13.
6. <u>Red Maple</u>	<u>H</u>	<u>FAC</u>			14.
7.					15.
8.					16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 5-12-06  
 Community ID: Upland  
 Plot ID:

WTG-114A-SS2

**SOILS**

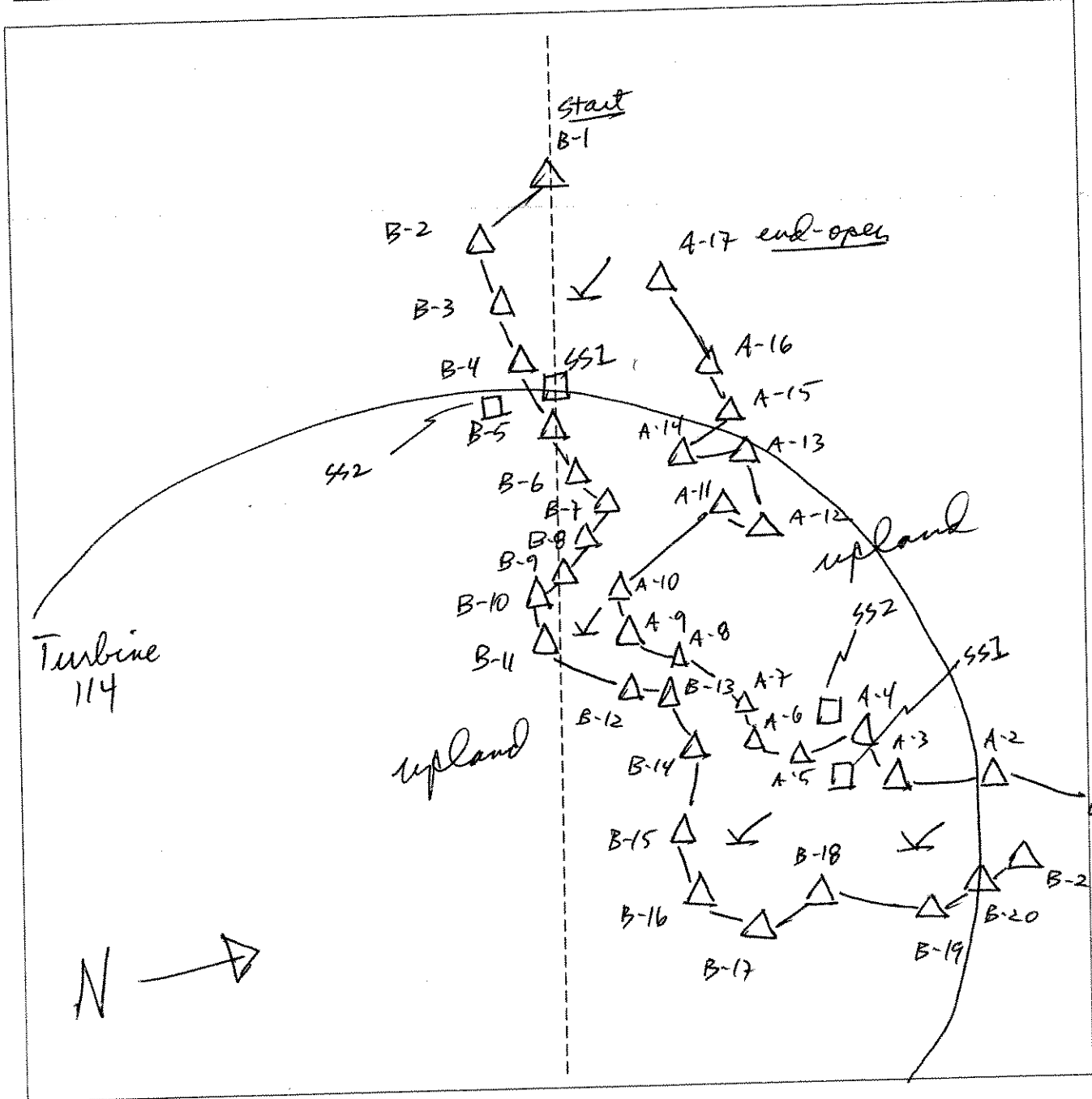
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR 2.5/1	—	—	Organics/leaf/lit
1-4	A	10YR-2R	—	—	Silt loam
4-8	E	7.5YR-4/2	—	—	Silt sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: WTG 114 A/B	Date: 5/12/06	Time: 10:00
Initials of Delineators: RD - RJ	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">(Yes) No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes (No)</span> Is the area a potential Problem Area? <span style="float:right;">Yes (No)</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTG115A-831</u>

**VEGETATION**

Plant Community Classification: <u>PFO1</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>20</u> Herb: <u>15</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>			
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>			
3. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>			
4. <u>Trout Lily</u>	<u>H</u>	<u>UPL</u> *1			
5. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC-</u>			
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u> *2			
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>					
Remarks: *1 - Not listed; presumed UPL *2 - Not listed; presumed OBL					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Undrained <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>4 in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-10-06  
 Community ID: Wetland  
 Plot ID: WTG 115A-SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2 2-16	O/A E	10YR-2/1 2.5Y-5/1	7.5YR 5/8	many/medium/abundant	inorganics/roots/silty Sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Soils disturbed from logging Refused at 16"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks Photo 3 looks N e SSI heavily logged in previous years, disturbed area (wheel ruts)			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site?      Yes    No Is the site significantly disturbed (Atypical Situation)?    Yes    No Is the area a potential Problem Area?                    Yes    No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WTG115A-SS2</u>

**VEGETATION**

Plant Community Classification: <u>Poplar Forest</u>					
Percent Canopy Cover:		Tree: <u>90</u>	Shrub: <u>40</u>	Herb: <u>5</u>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grey Birch</u>	<u>T</u>	<u>FAC</u>			
2. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>			
3. <u>Big Tooth Aspen</u>	<u>T</u>	<u>FACU-</u>			
4. <u>Mountain Maple - Med</u>	<u>S</u>	<u>FAC</u>			
5. <u>Trount Lily</u>	<u>H</u>	<u>FACU</u>			
6. <u>Striped Maple</u>	<u>H</u>	<u>FACU</u>			
7. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>			
8					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>28%</u>					
Remarks: <u>* presumed upland not listed</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>10</u>	
Remarks:	

Date: 5-10-06  
 Community ID: Upland  
 Plot ID: WTG115A-SS2

**SOILS**

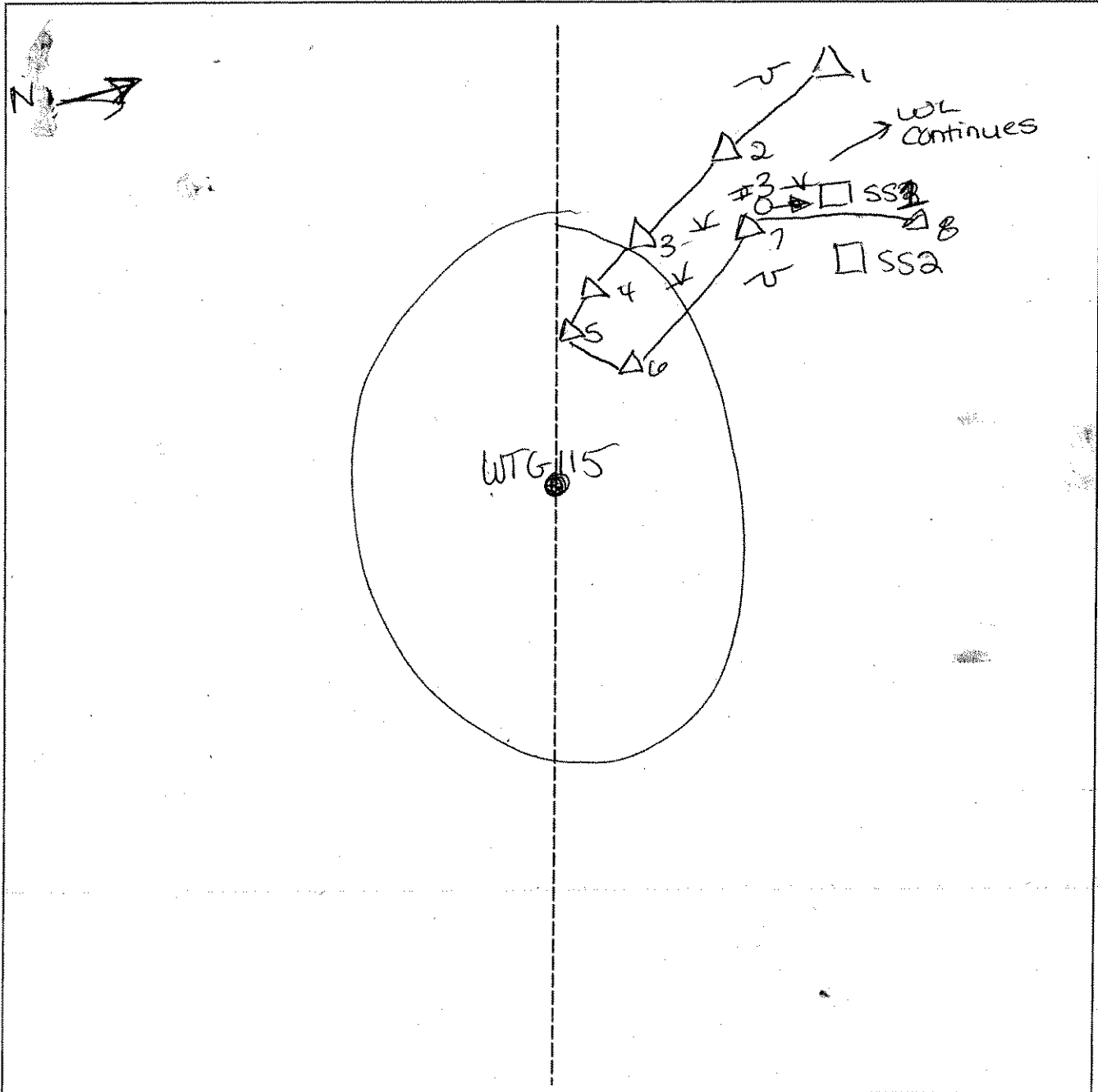
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR-2/1	—	—	organics/roots/loam
2-6	E	7.5YR-4/6	—	—	Sand
6-10	B <sub>2</sub>	7.5YR-3/3	—	—	Sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refused at 10"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Remarks			

SKETCH FORM

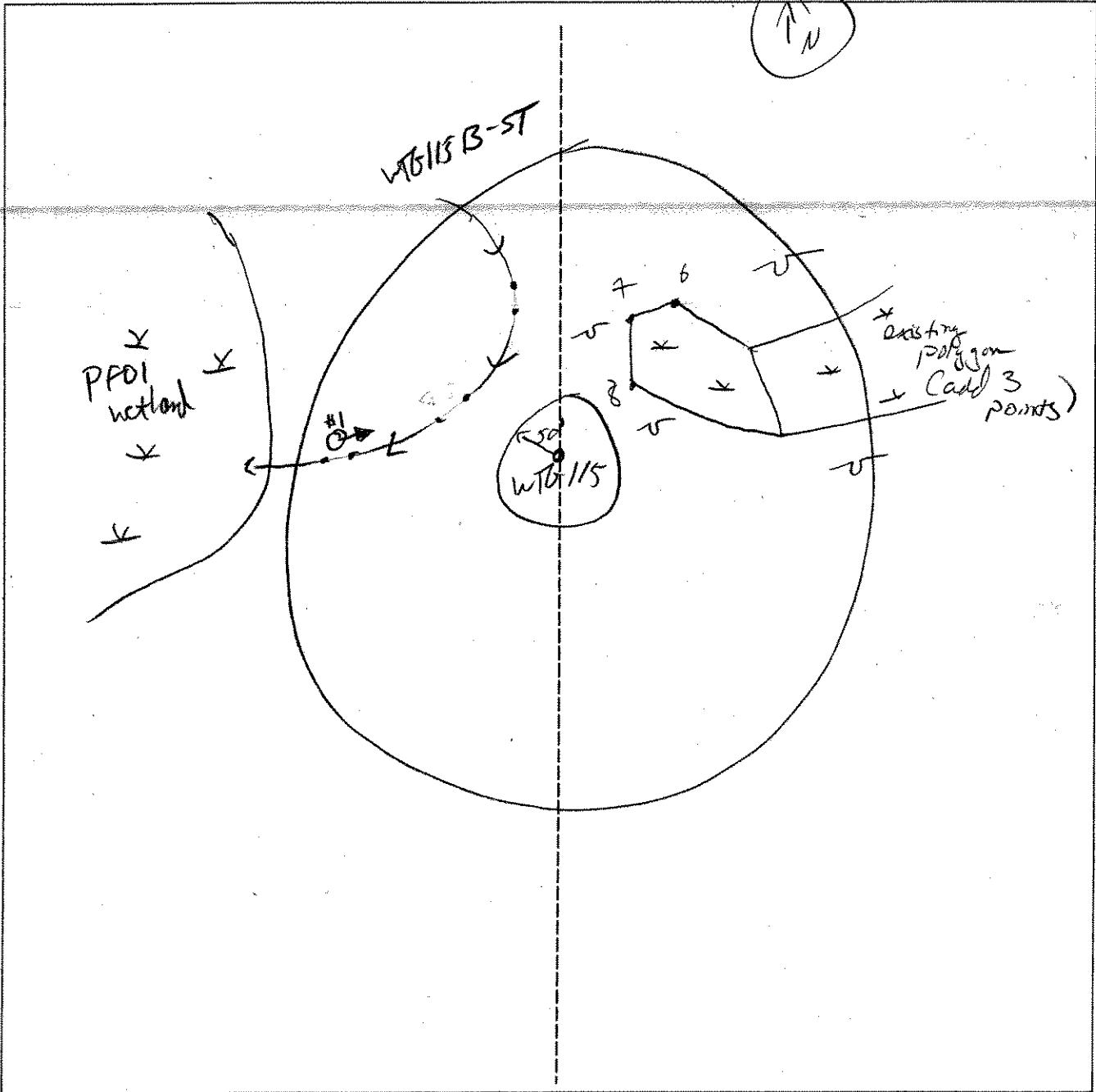
Wetland ID/Route #: WTG 115A	Date: 5-10-06	Time:
Initials of Delineators: RH	Location: Turbine WTG 115A	
Roll #: RH	Frames: B 7N	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: WTB 115 A	Date: 7/25/06	Time:
Initials of Delineators: KH, JV	Location: Lawns - WTB 115	
Roll #: KH	Frames: 1	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH	Date: 7/25/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: wetland Transect ID: Plot ID: WB116A-SS1							

**VEGETATION**

Plant Community Classification: PEM					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Wool Grass	H	OBL	9.		
2. Juncus FLUUS	H	FACW	10.		
3. Juncus Canadensis	H	OBL	11.		
4. Moss sp	H	—	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: * see base <div style="text-align: center; font-size: 1.2em;">pit #2 looks w e ssi</div>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): 1 in Depth to Free Standing Water in Pit (in.): — Depth to Saturated Soil (in.): 0	
Remarks: — Area of poor drainage - all exposed bedrock — recent rainfall ponding	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>ISH, JV</i>	Date: <i>7/25/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Community ID: <i>upland</i> Transect ID: Plot ID: <i>WB-116A-SS2</i>							

**VEGETATION**

Plant Community Classification: <i>Grasses</i>					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>95</i> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Blueberry</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>Rubus sp.</i>	<i>H</i>	<i>FAC-</i>	10.		
3. <i>Grass sp x</i>	<i>H</i>	<i>-</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks: <i>Recently logged area</i> <i>x see bag</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>-</i> Depth to Free Standing Water in Pit (in.): <i>-</i> Depth to Saturated Soil (in.): <i>-</i>	
Remarks:	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/25/08</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>wb-116B-551</i>							

**VEGETATION**

Plant Community Classification: <i>PFO4 / PFA</i>					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>20</i> Herb: <i>90</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>White Pine</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Shiny Club Moss</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>75%</i>					
Remarks: <i>KNI - presumed OBL</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>—</i>  Depth to Free Standing Water in Pit (in.): <i>—</i>  Depth to Saturated Soil (in.): <i>0</i>	
Remarks: <i>pix #3 looks like ESS1</i>	

Date: 7/25/06  
 Community ID: Upland  
 Plot ID: WD116B-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0	0-1				organics
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>no soils</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Remarks: <i>No soils - &lt; 1 inch organics on top of shallow bedrock Atypical wetland</i>			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/25/08</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>WTO-116B-552</i>

**VEGETATION**

Plant Community Classification: <i>white pine grove</i>					
Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>15</i> Herb: <i>95</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>white pine</i>	<i>T</i>	<i>FACV</i>	9.		
2. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Braeker Fern</i>	<i>H</i>	<i>FACV</i>	12.		
5. <i>white pine</i>	<i>H</i>	<i>FACV</i>	13.		
6. <i>Lichen</i>	<i>H</i>	<i>NI*</i>	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>4/10%</i>					
Remarks: <i>* NI - presumed UPL</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>—</i> Depth to Free Standing Water in Pit (in.): <i>—</i> Depth to Saturated Soil (in.): <i>—</i>	
Remarks:	

Date: 7/25/06  
 Community ID: upland  
 Plot ID: WFB-116B-SS2

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0	0-1				organics
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: NO soils - organics on top of shallow bedrock					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks: NO soils - organics on top of shallow bedrock			



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH, TV	Date: 7/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: wetland Transect ID: Plot ID: W0116C-SS1

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: 0	Shrub: 40	Herb: 95	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Wood Grass	H	OBL	9.		
2. Gray Birch	S	FAC	10.		
3. Carex sp	H	-	11.		
4. Turcicus Effusus	H	FACW	12.		
5. Sceptle Bush	H	FACW	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): —  Depth to Free Standing Water in Pit (in.): —  Depth to Saturated Soil (in.): 0	
Remarks: pix # 4 looks like SSI	



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>B.H. [initials]</i>	Date: <i>7/25/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td>No</td> </tr> </table>	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes	No
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
<input checked="" type="radio"/> Yes	No						
	Community ID: <i>upland</i> Transect ID: Plot ID: <i>WB/16C-552</i>						

**VEGETATION**

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Representative plot</i> <i>see WB/16A-552</i> <i>(same data)</i> <span style="float:right"><i>-logged area</i></span>					

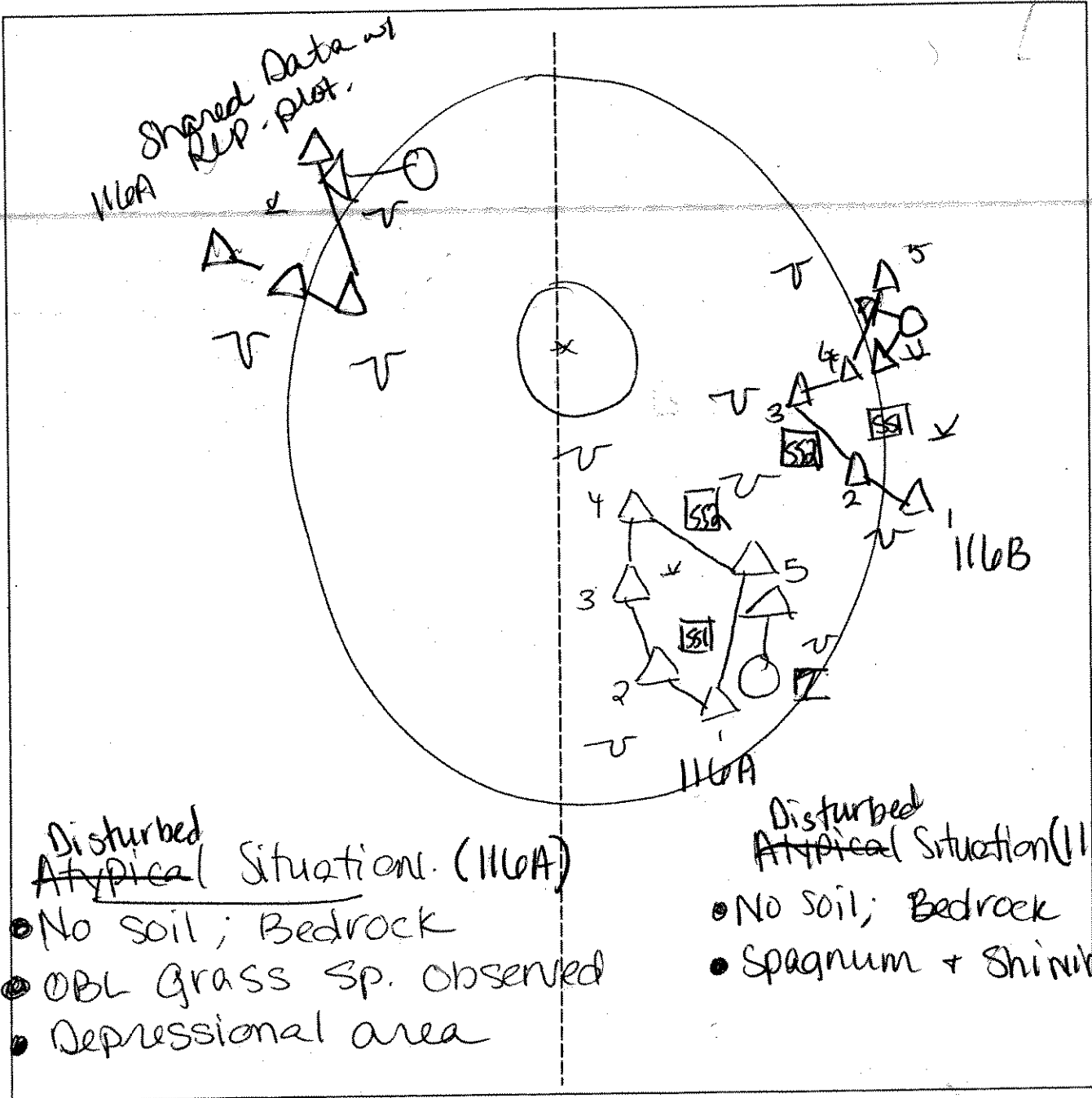
**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	



SKETCH FORM

Wetland ID/Route #: WTG 116A/B/C	Date: 7-25-06	Time:
Initials of Delineators: KH	Location: Turbine 116	
Roll #:	Frames: 116A => W	116B => SW      116C => S



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MORRIS RIVER</u> Applicant/Owner: <u>MORRIS RIVER, LLC</u> Investigator: <u>RVA, JST</u>	Date: <u>5/10/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>W010001</u> Transect ID: <u>WT6117.708A</u> Plot ID: <u>SS1</u>

**VEGETATION** PFD/PSS

Plant Community Classification: \_\_\_\_\_  
Percent Canopy Cover: Tree: 50% Shrub: 40% Herb: 90% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Gray birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Northern bayberry</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Sphagnum mosses</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Spikerush</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>Swamp bayberry</u>	<u>S</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:  
\* Assume OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>12"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/10/06  
 Community ID: wetland  
 Plot ID: WT6117.708A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	5YR 2.5/2	—	—	ORGANIC
6-10	A	10YR 2/1	—	—	Silt loam w/ gravel
10-18	B	10YR 6/1	10YR 4/6	com/med/10-50	clay w/ gravel

Hydro Soil Indicators

<input checked="" type="checkbox"/> Histosol 0-6" splash	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Maudie River</i>	Date: <i>8/10/86</i>	
Applicant/Owner: <i>Maudie River, LLC</i>	County: <i>Olmita</i>	
Investigator: <i>GA, RA</i>	State: <i>NY</i>	
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>Upland</i>	
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No		
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)		
		Transect ID: <i>W06177-708A</i>
		Plot ID: <i>552</i>

**VEGETATION**

Plant Community Classification: Tree: *75%* Shrub: *35%* Herb: *60%* Vine: *0%*

Percent Canopy Cover:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>T/S/H</i>	<i>FAC</i>	9.		
2. <i>White pine</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Club moss</i>	<i>H</i>	<i>-</i>	11.		
4. <i>May flower</i>	<i>H</i>	<i>FAC -</i>	12.		
5. <i>Gray Birch</i>	<i>T/S</i>	<i>FAC</i>	13.		
6. <i>Spikerush fern</i>	<i>H</i>	<i>FACU</i>	14.		
7. <i>L. N. Blueberry</i>	<i>S</i>	<i>FACU -</i>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *1/9*

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a at 9"</i>	
Remarks:	



Date: 5/10/06  
 Community ID: UPLAND  
 Plot ID: WT6117-708A-SS2

**SOILS**

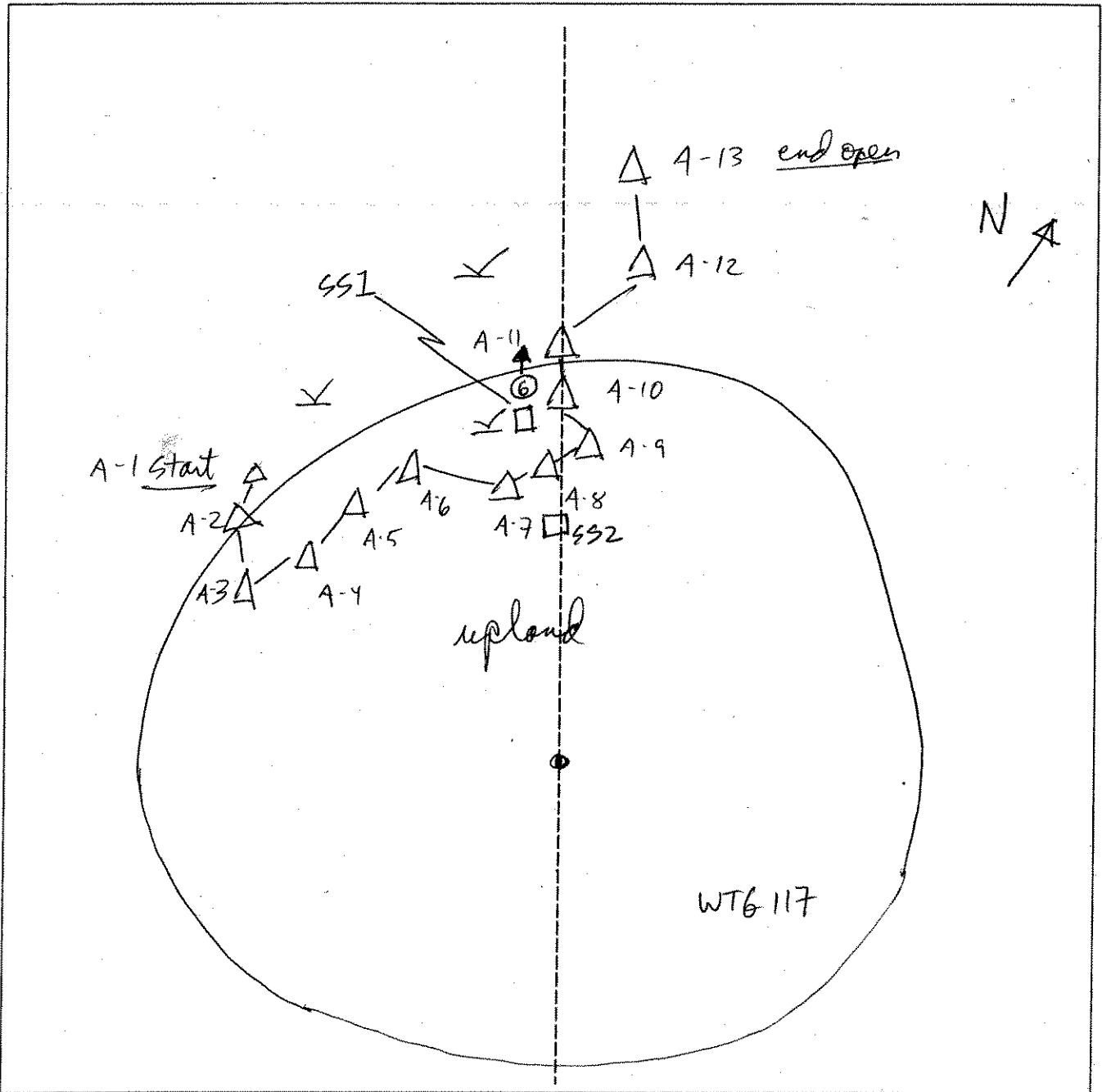
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 4/4	—	—	Silty Clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: WTG-117-708A	Date: 5-10-06	Time: 1:45
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: photo 6 facing NW to wetland	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARDIE RIVER</u> Applicant/Owner: <u>MARDIE RIVER, LLC</u> Investigator: <u>JAS. R.</u>	Date: <u>5/10/06</u> County: <u>Clinch</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetlands</u> Transect ID: <u>WTB119A</u> Plot ID: <u>SS1</u>

**VEGETATION** PFO/PSS

Plant Community Classification:					
Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sphagnum	H	OBL	9.		
2. Red maple	T/S	FAC	10.		
3. Gray birch	T/S	FAC	11.		
4. Clubmoss	H	—	12.		
5. Quercus sp	H	—	13.		
6. Aster sp	H	—	14.		
7. Black willow	S	FACW	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated (in places) <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>6' in places</u> Depth of Surface Water (in.): <u>0" at sample station</u> Depth to Free Standing Water in Pit (in.): <u>4"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>photo 8 =&gt; 5 from WTB-119A-14 at wetlands</u>	

Date: 8/10/06  
 Community ID: W02A15  
 Plot ID: W0219A-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR 2/1			ORGANIC
6-10	A	10YR 6/1			SANDY LOAM
10-14	B <sub>1</sub>	10YR 6/1	10YR 3/3	SD/SD MIX	SANDY CLAY LOAM

Hydro Soil Indicators

<input checked="" type="checkbox"/> Histosol (peaty) top 6"	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Original to layer at 14"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MAESIE RIVER</u> Applicant/Owner: <u>MAESIE RIVER LLC</u> Investigator: <u>BN, RA</u>	Date: <u>5/10/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>WTG119A</u> Plot ID: <u>SS2</u>

**VEGETATION** UPLAND DECIDUOUS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>60%</u> Shrub: <u>60%</u> Herb: <u>60%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S/H</u>	<u>FAC</u>	9. <u>Serotiny hickory</u>	<u>H</u>	<u>FAC</u>
2. <u>Gray Birch</u>	<u>T/S</u>	<u>FAC</u>	10. <u>WOOD PINE</u>	<u>H</u>	<u>NI</u>
3. <u>Common Aspen</u>	<u>T/S</u>	<u>FACU-</u>	11.		
4. <u>May flower</u>	<u>H</u>	<u>FAC-</u>	12.		
5. <u>Club moss</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Tree-toad Chamaenerion</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Green fern</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>L.S. Dandelion</u>	<u>F</u>	<u>NI</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/11</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p>___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>N/A</u></p> <p>Depth to Saturated Soil (in.): <u>N/A</u></p>	
Remarks:	

Date: 5/10/06  
 Community ID: UPLAND  
 Plot ID:

WTG119A-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR2/1	—	—	ORGANICS
3-14	A	10YR3/6 10YR4/3	SD/SD	mix	CLAY SAND → /sam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 REMOVAL of layer at 14"

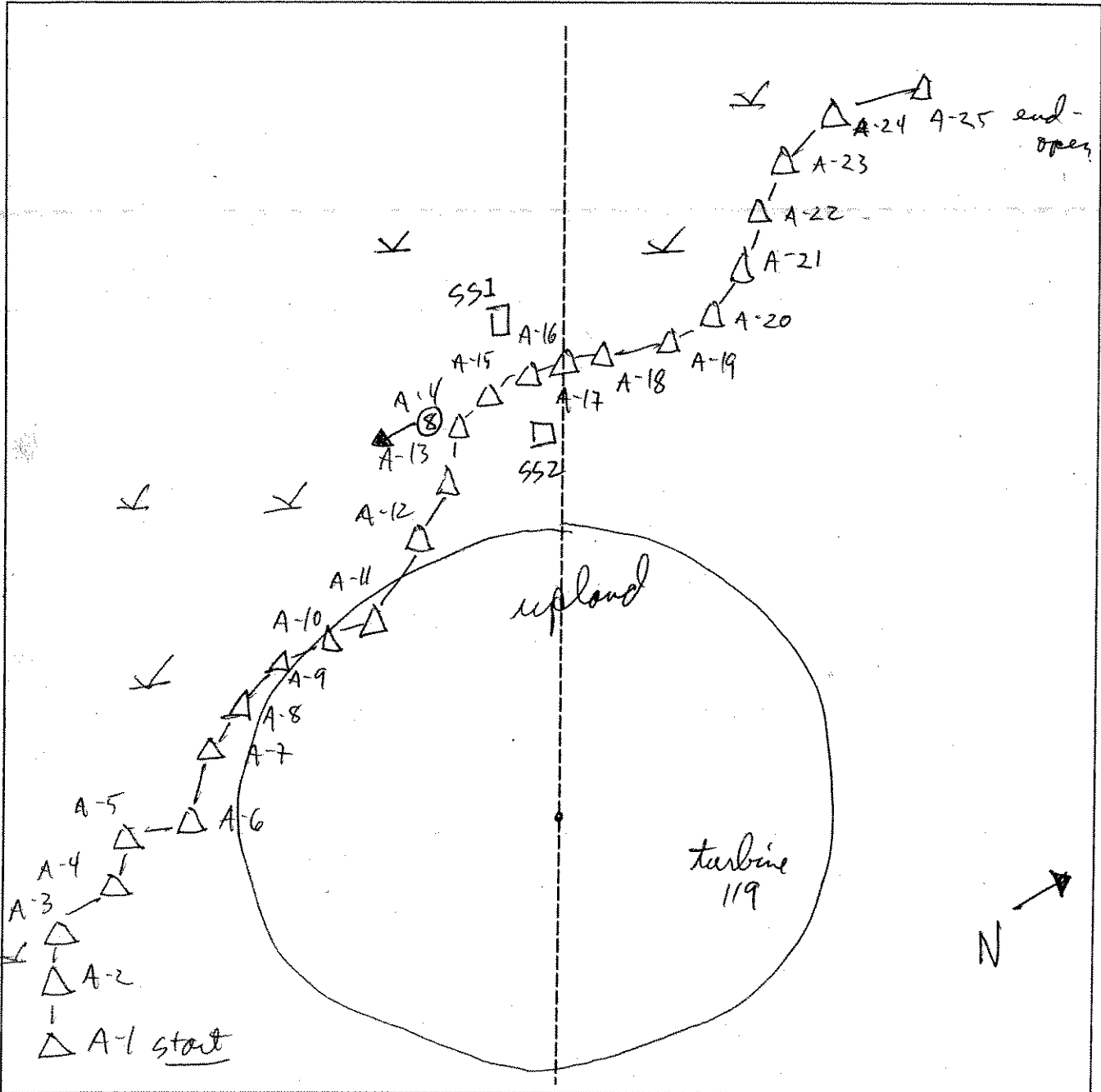
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks:

SKETCH FORM

Wetland ID/Route #: WT6119A	Date: 5/10/06	Time: 4:35
Intials of Delineators: RD-RJ	Location:	
Roll #:	Frames: photo 8 faces S to wetland	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARIE River</u> Applicant/Owner: <u>MARIE River, LLC</u> Investigator: <u>PSS, PFD</u>	Date: <u>8/10/06</u> County: <u>Clatsop</u> State: <u>OR</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Wetlands</u> Transect ID: <u>WTB119B</u> Plot ID: <u>-SS1</u>

**VEGETATION** PFD/PSS

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: 40% Shrub: 70% Herb: 60% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray birch</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Red maple</u>	<u>S</u>	<u>FAC</u>
2. <u>Red maple</u>	<u>T/S/H</u>	<u>FAC</u>	10. <u>Club moss</u>		
3. <u>Towhee maple</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Spiraea</u>	<u>H</u>	<u>DBL#</u>	12.		
5. <u>May flower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Aspen</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Sericea</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>Black willow</u>	<u>S</u>	<u>FACW</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 9 | 11

Remarks: Trees going up to 30'  
& Assume DBL

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input checked="" type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>8" in places</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>0</u></p> <p>Depth to Saturated Soil (in.): <u>0</u></p>	<p>Remarks:</p> <p><u>Photo 9 → SE from SS1 at wetland</u></p>



Date: 5/10/06  
 Community ID: WETLANDS  
 Plot ID:

WTB 119B - SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/7	—	—	Silt loam
6-12	B	10YR 5/1	—	—	Sandy loam → loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: (Re)soil of Ayr at 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="float:right;">Yes No</span>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>MARBLE RUAL LLC</u> Investigator: <u>RSB, JT</u>	Date: <u>5/10/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>WIG119B</u> Plot ID: <u>SS</u>

**VEGETATION** Upland Decid Forest

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 69% Shrub: 69% Herb: 55% Vine: 8

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>FRAXINUS</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>NYCTAGINUS</u>	<u>H</u>	<u>FAC-</u>	10.		
3. <u>GRUY BIRCH</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>TAD MAPLE</u>	<u>T/S/H</u>	<u>FAC</u>	12.		
5. <u>WHOLE WIND ASTER</u>	<u>H</u>	<u>UPL</u>	13.		
6. <u>CLUBMOS</u>	<u>H</u>	<u>-</u>	14.		
7. <u>SEWEE BEAN</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>QUAKE BUSH</u>	<u>T</u>	<u>FACU</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/10

Remarks:  
Trees larger in upland than wetland

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	Remarks:

Date: 5/10/06  
 Community ID: Upland  
 Plot ID: WJG119B-552

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR2/2	—	—	Silt loam
3-6	B	10YR6/1	—	—	loamy sand

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Revised to Aya as 6"*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARIE RIVER</u> Applicant/Owner: <u>MARIE RIVER, LLC</u> Investigator: <u>AM, RA</u>	Date: <u>8/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLANDS</u> Transect ID: <u>WTG119C</u> Plot ID: <u>SSI</u>

**VEGETATION** SAME AS WTG119B-SSI

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY** SAME AS WTG119B-SSI

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: <u>Photo 10 =&gt; New AT WETLANDS for SSI</u>	

Date: 5/10/06  
 Community ID: WGRAND  
 Field ID: 119C-SS1

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 4/1	—	—	Silt clay w/ lvs
8-18	B	10YR 6/2 10YR 5/8	SD/SO mix	3	ORGANICS SANDY CLAY, (OA)

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No			
Hydric Soils Present?	Yes	No			

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>PTD PT</u>	Date: <u>3/10/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLANDS</u> Transect ID: <u>WTG119C</u> Plot ID: <u>SS2</u>

**VEGETATION** Young Decid Upland Forest

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 85% Shrub: 70% Herb: 70% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T1S/H+</u>	<u>FAC</u>	9. <u>L.T. Blueberry</u>	<u>S</u>	<u>FACU-</u>
2. <u>Gray birch</u>	<u>T1S</u>	<u>FAC</u>	10. <u>Spruce</u>	<u>H</u>	<u>FACU</u>
3. <u>Quake Aspen</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>May hickory</u>	<u>H</u>	<u>FAC-</u>	12.		
5. <u>Old field</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Striped maple</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Whorled wax mtn</u>	<u>H</u>	<u>UDL</u>	15.		
8. <u>Bunch berry</u>	<u>H</u>	<u>FAC-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/12

Remarks:  
up to 40' tall

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/a</u> Depth to Free Standing Water in Pit (in.): <u>n/a</u> Depth to Saturated Soil (in.): <u>n/a</u>	Remarks:

Date: 5/10/06  
 Community ID: Upland  
 Plot ID:

WTG119C-SS2

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR3/2	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 Refusal of Auger at 8'

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RIVER</u>	Date: <u>5/11/06</u>
Applicant/Owner: <u>MARSH RIVER, LLC</u>	County: <u>Clatsop</u>
Investigator: <u>TRD, BT</u>	State: <u>OR</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WETLAND</u> Transect ID: <u>WT6119C</u> Plot ID: <u>553</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** PFO

Plant Community Classification: <u>PFO</u>					
Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>70%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gray herb	T/S/A	FAC	9.		
2. <u>RED maple</u>	T/S	FAC	10.		
3. SPHAGNUM	H	OBL	11.		
4. MAYFLOWER	H	FAC-	12.		
5. <u>Carex lasiocarpa</u>	H	OBL	13.		
6. Club moss	H	-	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>* Assume OBL</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4" in Depressed Area</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	



Date: 5/11/06  
 Community ID: WERan  
 Plot ID: WB119C-SS3

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1	—	—	Organic
3-9	A <sub>1</sub>	10YR 2.5/1	—	—	Sandy clay loam
9-12	B	10YR 6/1	—	—	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:  Refusal of Auger AT 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARDIE RIVER</u> Applicant/Owner: <u>MARDIE RIVER LLC</u> Investigator: <u>RT</u>	Date: <u>5/11/06</u> County: <u>Cynth</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes</span> <span style="margin-left: 20px;">No</span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>WTB119C</u> Plot ID: <u>554</u>

**VEGETATION** Upland Forest (Decid)

Plant Community Classification: Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>40%</u> Herb: <u>30%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T/S	FAC	9.		
2. Gray birch	T/S	FAC	10.		
3. Paper birch	T	FACU	11.		
4. White-barked birch	H	UPL	12.		
5. May flower	H	FAC-	13.		
6. Club moss	H	-	14.		
7. Partridge berry	H	FACU	15.		
8. Wood fern	H	-	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>5/9</u>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other          ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:  <u>Photo 1 -&gt; W bank of RT wetlands</u>	

Date: 5/11/06  
 Community ID: UPLAND  
 Plot ID: WTG-119C-554

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	D	10YR 2/1			Silt loam w/ organic
3-10	A	10YR 6/1-2 6/2	10YR 4/3	com / med / dist	SANDY CLAY

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: REFUSAL to Age at 10"

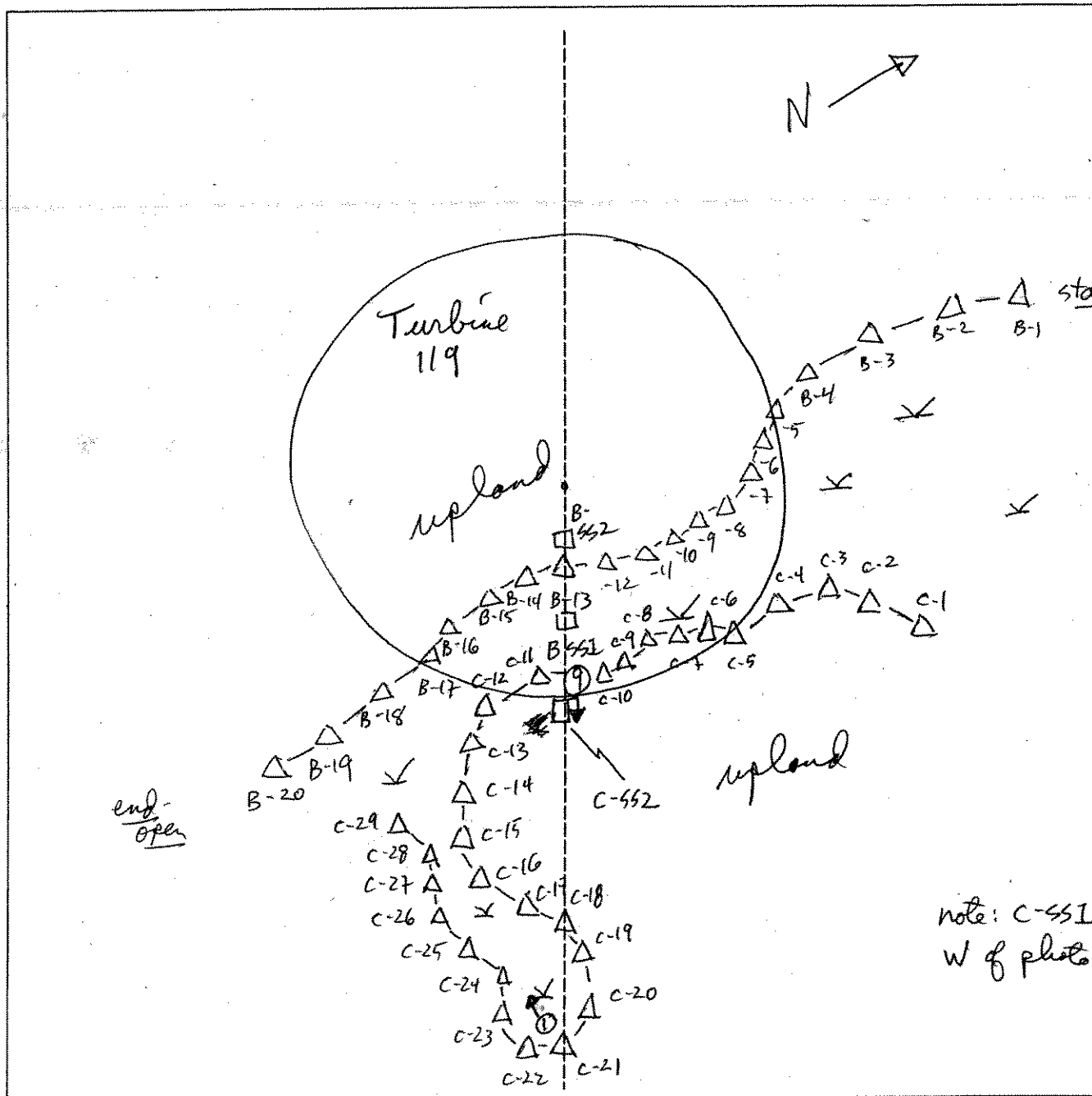
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: TRANSITIONAL

SKETCH FORM

Wetland ID/Route #: WT6 119B/C	Date: 5/10/06	Time: 5:50 P
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: photo 9 faces SE to wetland; photo 1 facing W to wetland	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

WT 6120

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

*Downsgraded*  
 T-120  
 WT 6 900-1 29002  
 Wetland

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>PR</i>	Date: <i>5/5/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>Disturb</i> Transect ID: <i>SS-1 &amp; RR 615</i> Plot ID: <i>SS-1-900-1-900-2</i>

**VEGETATION**

Plant Community Classification: _____					
Percent Canopy Cover: Tree: <input type="checkbox"/> Shrub: <input type="checkbox"/> Herb: <input type="checkbox"/> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>*</i>			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): _____					
Remarks: <i>Disturbed by logging, earth moving, excavation</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks: <i>Disturbed by logging, earth moving, excavation</i> <i>Recent rain 5/2-5/3</i>	

Date: 5/5/06  
 Community ID: Dist. T-120  
 Plot ID: 55-1 900 Series Flags  
 Wetland

**SOILS**

Map Unit Name (Series and Phase): N/A  
 Drainage Class: mwb  
 Taxonomy (SubGroup): N/A  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Rp	10YR 3/2	none	none	FGL
6-16	B <sub>21</sub>	10YR 6/2	10YR 6/0	5% / med / Distinct	FGL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? *	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks: Vegetation removed due to logging activities

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BPR</i>	Date: <i>5/5/06</i> County: <i>Clinton</i> State: <i>NT</i>												
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td><input checked="" type="checkbox"/></td> <td>No</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Yes</td> <td><input checked="" type="checkbox"/></td> <td>No</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Yes</td> <td><input checked="" type="checkbox"/></td> <td>No</td> <td><input type="checkbox"/></td> </tr> </table>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>										
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>										
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>										
Community ID: <i>Disturbed</i> Transect ID: <i>SS-2 T-120</i> Plot ID: <i>SS-2 900 south</i>													

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree:  Shrub:  Herb:  Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. *			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks: \* *Vegetation removed by logging operation, earth moving, excavation*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None Observed</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>&gt; 14"</i> Depth to Free Standing Water in Pit (in.): <i>&gt; 14'</i> Depth to Saturated Soil (in.): <i>&gt; 14"</i>	
Remarks: * <i>Hydrology disturbed by logging activities; earth moving; excavations</i>	

Date: 5/5/06  
 Community ID: Dist - T-120  
 Plot ID: SS-2900-series Flag  
 Upland

**SOILS**

Map Unit Name (Series and Phase): *N/A*      Drainage Class: *MWD*  
 Taxonomy (SubGroup): *N/A*      Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	<i>Op</i>	<i>10YR 3/2</i>	<i>None</i>	<i>None</i>	<i>SL</i>
6-14	<i>Bw<sub>1</sub></i>	<i>10YR 4/6</i>	<i>None</i>	<i>None</i>	<i>SL</i>

Hydro Soil Indicators *None Observed*

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *Disturbed by logging, excavation, earth moving*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks



WTG 120

Disturbed Log - Area

Wetland

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

WTG 907

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPA	Date: 5/5/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Community ID: Disturbed Transect ID: T-120 907 Series Plot ID: WTG 120 - SS-1-907-Series

\* Disturb Log Area & Excavation

VEGETATION

Plant Community Classification: \*

Percent Canopy Cover: Tree: 0 Shrub: 6 Herb: 0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: \* Vegetation removed by earth moving, logging & excavation

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): None Depth to Free Standing Water in Pit (in.): Surface Depth to Saturated Soil (in.): Surface	
Remarks: Disturbed Hydrology, ponded H <sub>2</sub> O w/ logs & wood chips. Recent Run Event 5/3 5/4	

D

Date: 5/5/06  
 Community ID: Disturbed  
 Plot ID: WT6  
 A-120 80-1-901-cornies

**SOILS**

Map Unit Name (Series and Phase): *N/A*      Drainage Class: *PD(9)*  
 Taxonomy (SubGroup): *N/A*      Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
<i>AP</i>	<i>0-3</i>	<i>10YR 3/2</i>	<i>None</i>	<i>None</i>	<i>FL</i>
<i>Bm</i>	<i>3-10</i>	<i>10YR 6/2*</i>	<i>10YR 6/6</i>	<i>2% faint</i>	<i>FL</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *\* 10" to refusal, soil disturbed by excavation, may not reflect original condition prior to disturbance*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Remarks

WTG 120

Upland 901

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

WT6 901

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPN	Date: 5/5/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No * Community ID: Disturbed Transect ID: T-120 Plot ID: T-120--55-2-901

VEGETATION

Adj. disturbed site

Plant Community Classification:  
Percent Canopy Cover: Tree: 38 Shrub: 10 Herb: 10 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	Tree	FAC	9.		
2. Red maple	Can.	FAC	10.		
3. Red maple	Shrub.	FAC	11.		
4. Magnolia	Herb	FAC-	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): > 16" Depth to Free Standing Water in Pit (in.): > 16" Depth to Saturated Soil (in.): > 16"	
Remarks: Recent Rain 5/3 - 5/4	

Date: 5/5/06  
 Community ID: T 120-901 Series-  
 Plot ID: WTB  
 NT 120-56-2901-Cgms

**SOILS**

Map Unit Name (Series and Phase): *n/a*      Drainage Class: *mwd*  
 Taxonomy (SubGroup): *n/a*      Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	<i>Dp</i>	<i>10YR 3/2</i>	<i>None</i>	<i>None</i>	<i>ESL</i>
8-10	<i>E</i>	<i>10YR 5/2</i>	<i>None</i>	<i>None</i>	<i>ESL</i>
10-16 ±	<i>Bw1</i>	<i>10YR 4/6</i>	<i>None</i>	<i>None</i>	<i>ESL</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>10/27/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PF01</u> Transect ID: Plot ID: <u>WTG120 C SSI</u>

**VEGETATION**

Plant Community Classification: <u>PF01 - Logged recently</u>					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>10</u> Herb: <u>65</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Aster sp.</u>	<u>H</u>	<u>-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100 /</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <u>Ruts from</u>
Field Observations: Depth of Surface Water (in.): <u>0''</u> Depth to Free Standing Water in Pit (in.): <u>0''</u> Depth to Saturated Soil (in.): <u>0''</u>	Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks:	

Date: 10/27/06  
 Community ID: PFO1  
 Plot ID: AOTE 120 C - SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1			Silty muck Sandy clay
6-18	B	10YR 5/2			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: Area has been disturbed through previous logging activities.			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD JV	Date: 10/27/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: UPL Transect ID: Plot ID: WTG120C - 552							

**VEGETATION**

Plant Community Classification: <u>Logged deciduous forest</u>					
Percent Canopy Cover: Tree: <u>30</u> Shrub: <u>20</u> Herb: <u>45</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Populus tremuloides</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Aster sp.</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Woodwardia</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Solidago sp.</u>	<u>H</u>	<u>-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: <u>NONE</u>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

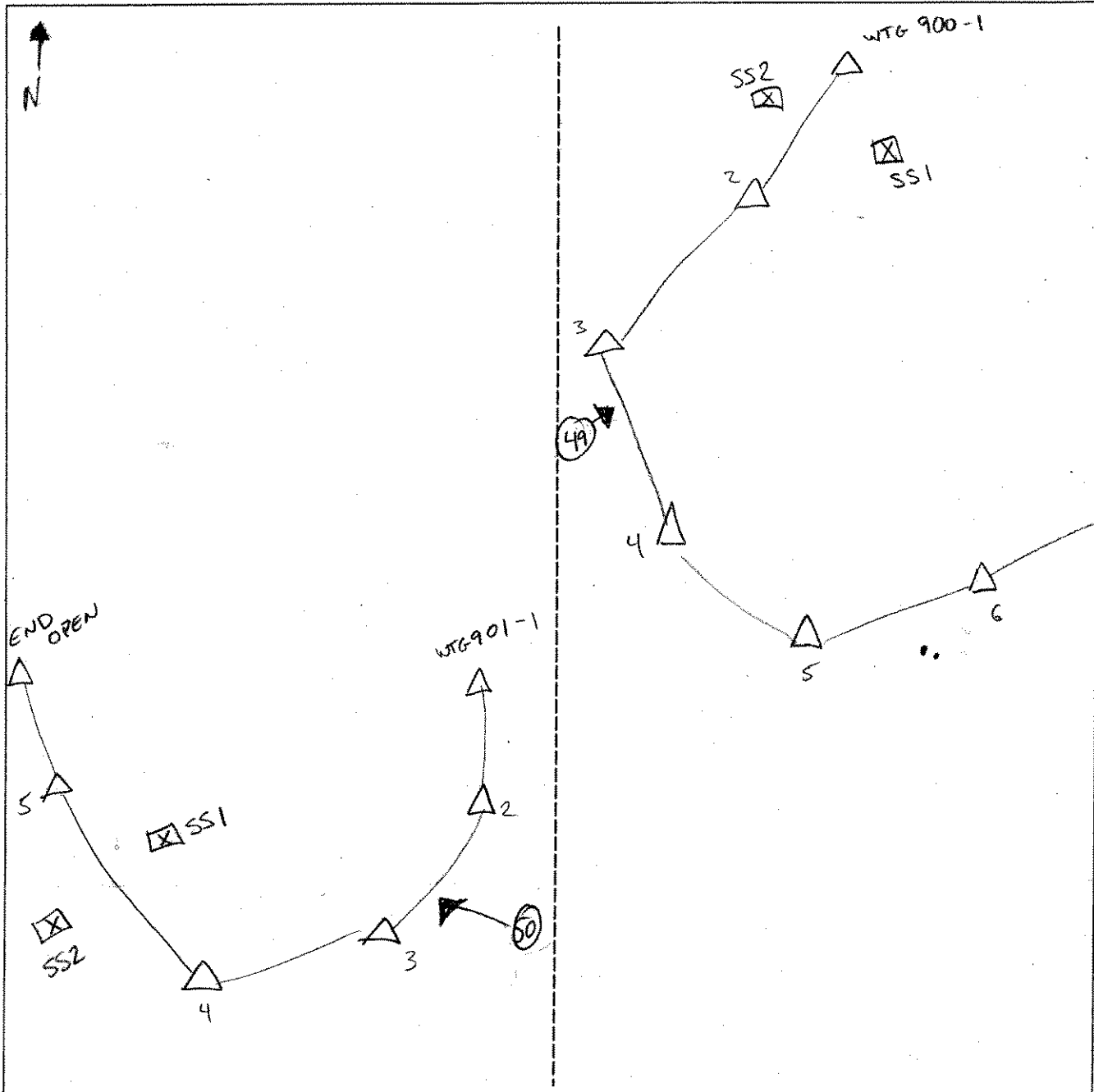




WTG 120

SKETCH FORM

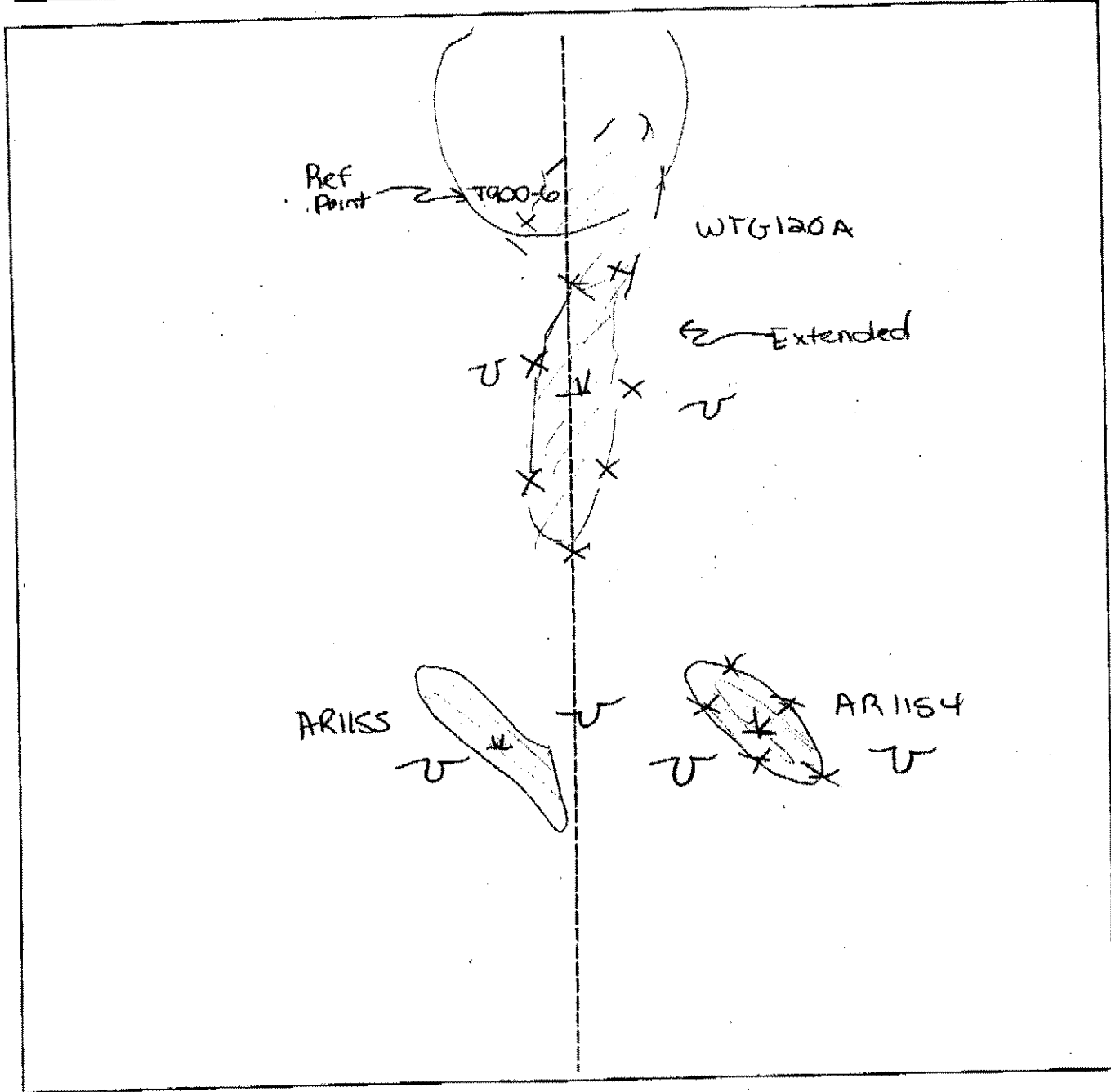
Wetland ID/Route #: WTG 900 / 901	Date: 5/5/06	Time:
Initials of Delineators: BRR DO	Location: Marble River	
Roll #:	Frames: 49 Looking NE @ WTG-900 50 Looking NW @ WTG-901	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**SKETCH FORM**

Wetland ID/Route #: WTG120A, IC 1154, IC1155	Date: 9/10/06	Time:
Initials of Delineators: JR, JV	Location: IC between 173 + 138	
Roll #:	Frames:	



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream
			N

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: WTG120 A SSI

**VEGETATION**

Plant Community Classification: PFO1 Percent Canopy Cover: Tree: 70 Shrub: 75 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>B. pop</i>	S	FAC	11.		
4. <i>A. rub</i>	S	FAC	12.		
5. <i>Scirpus sp</i>	H	FACW	13.		
6. <i>Aster sp.</i>	H		14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: Can not i.d species due to season					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): NA Depth to Free Standing Water in Pit (in.): NA Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/9/07  
 Community ID: WTC120A  
 Plot ID: 881

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations: \_\_\_\_\_  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			Silt
4-6	B	2.5Y 5/2	10YR 4/6	distinct, few, md.	Clay
6-12	C	2.5Y 4/2	10YR 5/8	distinct, few, md.	sandy clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Moisture saturated @ 0" - no standing H<sub>2</sub>O in pit

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks  
 Photo 7 EE  
 Area has been logged.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: WT6120A EXT							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: 0 Shrub: 50 Herb: 20 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	S	FAC	9.		
2. Betula papyrifera	S	FAC	10.		
3. Pteridium aquilinum	H	FACU	11.		
4. Aster sp.	H	-	12.		
5. unk-herb 1	H	-	13.		
6. unk-herb 2	H	-	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: NA Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: NA Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/9/07  
 Community ID: WTC 100 A  
 Plot ID: 882

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/2			
2-4	A	6.5YR 2/1	2.5Y 5/3	common, distinct, sparse	silty clay
4-12	B	2.5Y 3/3	7.5YR 3/4	common, distinct, med	clay loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: ORGs + organic streaking in B

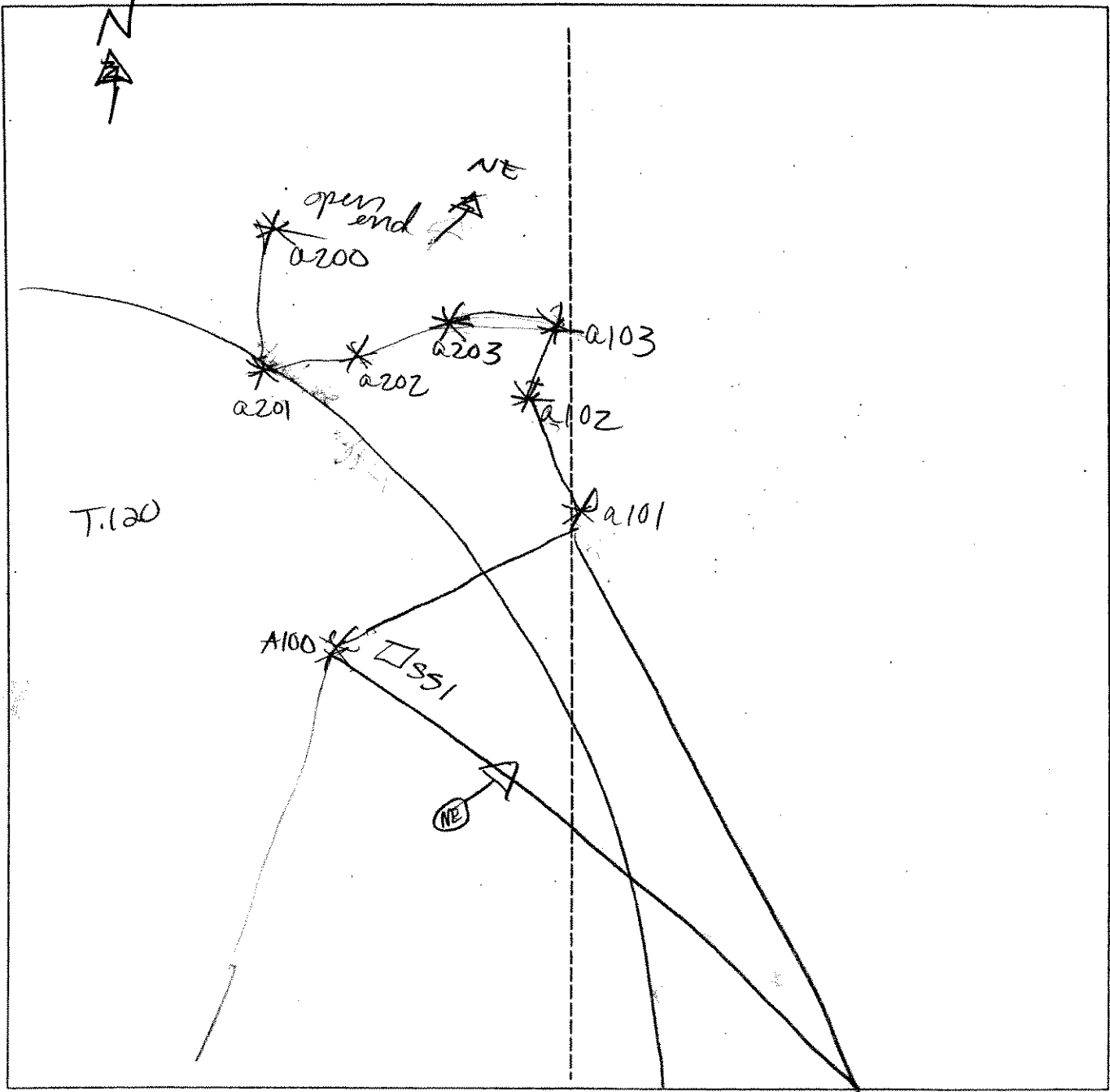
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Remarks

SKETCH FORM

Wetland ID/Route #: WJG120 A EXT	Date: 9 May 07	Time:
Initials of Delineators: JV = AP	Location: T.120	
Roll #:	Frames:	

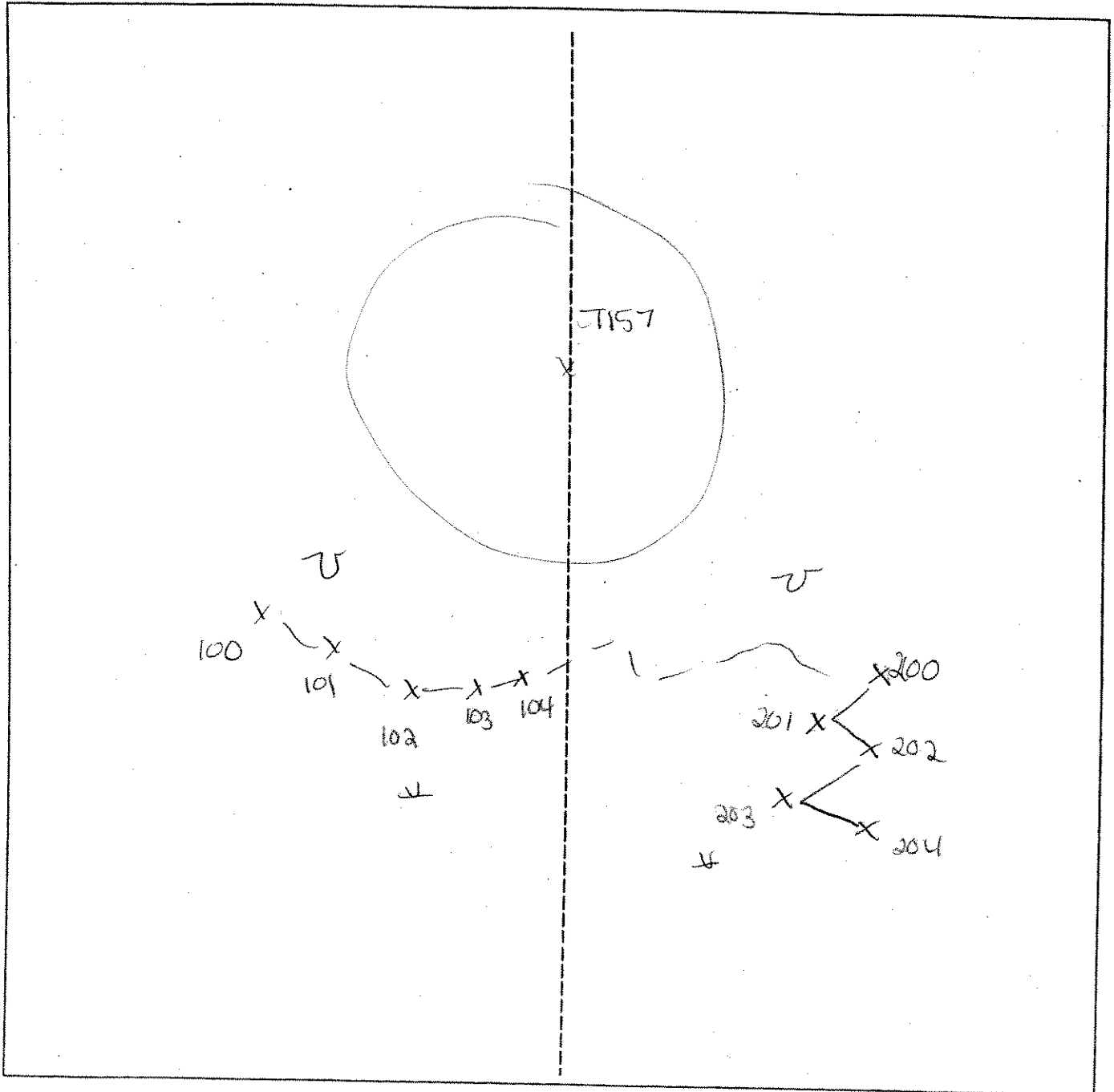


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

EXTENSION

Wetland ID/Route #: WTG-157 A EXT		Date: 5/11/07	Time:
Initials of Delineators: JV AP		Location: T-157	
Roll #:	Frames: 1 = NE		

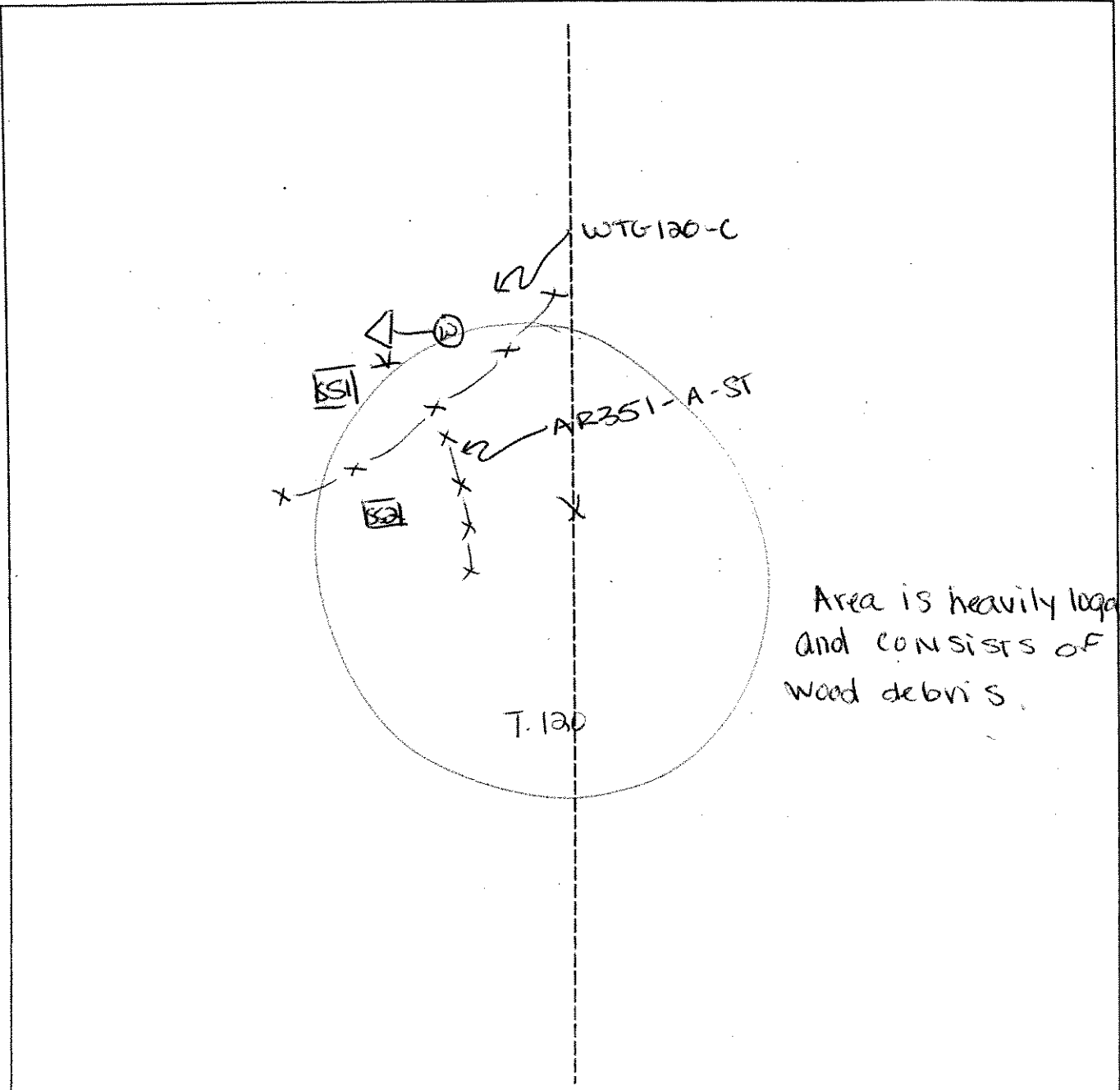


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: <u>WTG120 C</u>	Date: <u>10/27/06</u>	Time: <u>1230</u>
Initials of Delineators: <u>RD JV</u>	Location: <u>T.120</u>	
Roll #: _____	Frames: <u>=7W</u>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>10/27/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PFO1</u> Transect ID: Plot ID: <u>WTC130 C SSI</u>

**VEGETATION**

Plant Community Classification: <u>PFO1 - Logged recently</u>					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>10</u> Herb: <u>65</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. tuberosum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>CAIX SP.</u>	<u>H</u>	<u>-</u>	11.		
4. <u>ASTR SP.</u>	<u>H</u>	<u>-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <u>Ruts from a</u> <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>0"</u>  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 10/27/06  
 Community ID: PFC1  
 Plot ID: A076 120 C - SSI

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1			Silty muck
6-18	B	10YR 5/2			Sandy clay

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> Sulfidic Odor    | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Area has been disturbed through previous logging activities.

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD JV	Date: 10/27/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: WOTG130C - 552

**VEGETATION**

Plant Community Classification: Logged deciduous forest					
Percent Canopy Cover: Tree: 30 Shrub: 20 Herb: 45 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. A. saccharinum	S	FAC	10.		
3. Populus tremuloides	S	FACU	11.		
4. Pteridium aquilinum	H	FACU	12.		
5. Aster sp.	H	-	13.		
6. Woodwardia	H	-	14.		
7. Solidago sp.	H	-	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: None Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/27/06  
 Community ID:  
 Plot ID: W16120 C - 852

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 3/4			Silt loam

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

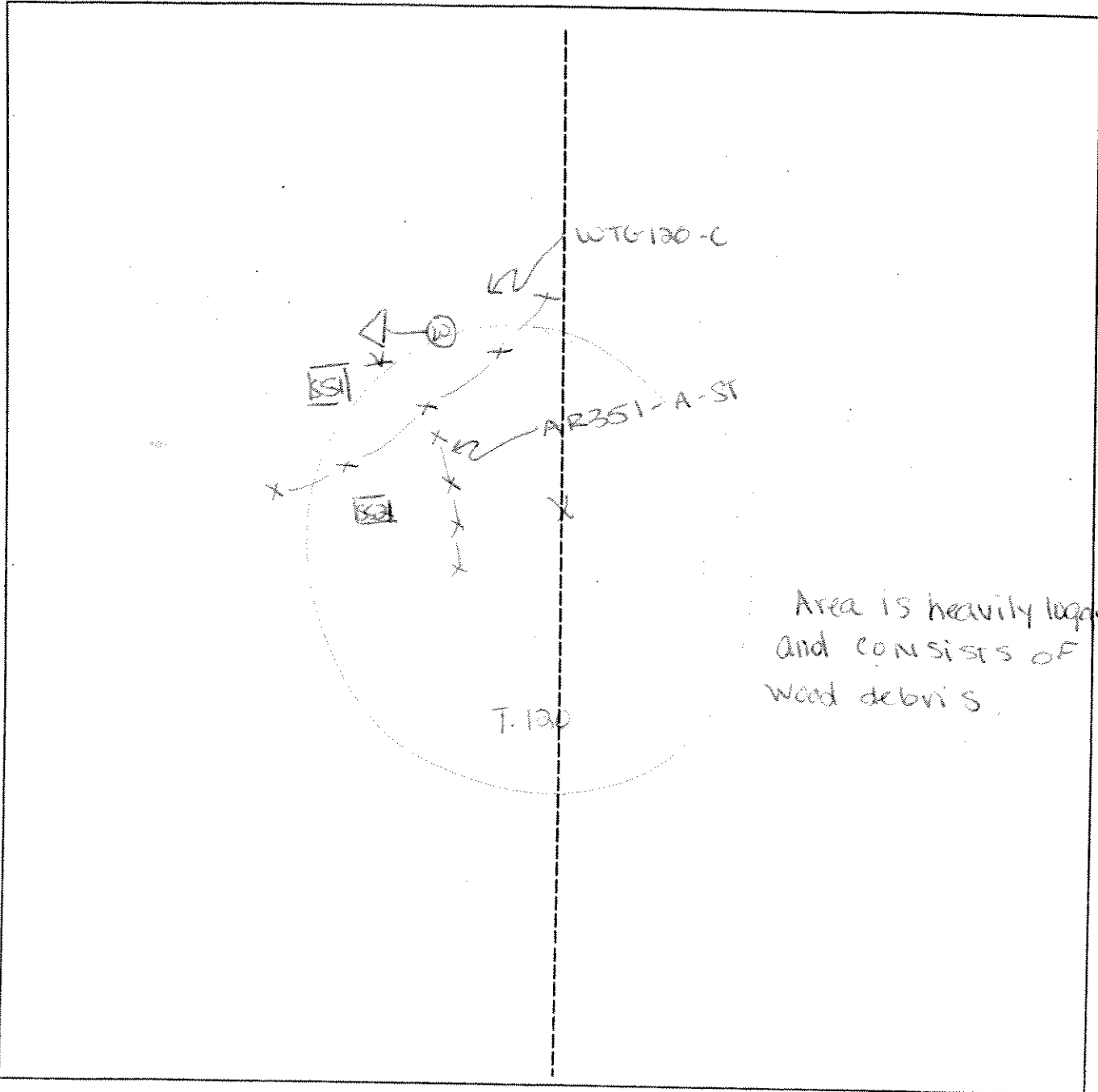
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks  
 WL => W  
 Ditch => S

**SKETCH FORM**

Wetland ID/Route #: <u>WTG 120 C</u>	Date: <u>10/31/06</u>	Time: <u>1230</u>
Initials of Delimiters: <u>RD JV</u>	Location: <u>T. 120</u>	
Roll #: _____	Frames: <u>=7W</u>	



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

WTG122-A

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Wetland  
Downgraded Flow  
303-4

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>SPR</u>	Date: <u>5/6/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>DS/PSO</u> Transect ID: <u>R2616-212-861</u> Plot ID: <u>WTG-122-851</u>

**VEGETATION**

\* Beaver Activity      90% Series

Plant Community Classification:					
Percent Canopy Cover:      Tree: <u>63</u> Shrub: <u>10</u> Herb: <u>38</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Wormy Berry</u>	<u>Shrub</u>	<u>FAC</u>	10.		
3. <u>Wormy Berry</u>	<u>Shrub</u>	<u>FAC-</u>	11.		
4. <u>Common Sp.</u>	<u>Herb</u>	<u>FACW</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>75</u>					
Remarks: <u>* Common Fern in vicinity</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>Surface</u> Depth to Free Standing Water in Pit (in.): <u>Surface</u> Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	

Date: 5/6/06  
 Community ID: P50/P66  
 Plot ID:

W66-122-903

**SOILS**

Map Unit Name (Series and Phase): <u>N/A</u>		Drainage Class: <u>FD/VPD</u>			
Taxonomy (SubGroup): <u>N/A</u>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
<u>0-6</u>	<u>Rb</u>	<u>10YR 3/1</u>	<u>NONE</u>	<u>NONE</u>	<u>None</u>
<u>6-16</u>	<u>BW<sub>2</sub></u>	<u>10YR 5/1</u>	<u>10YR 6/4</u>	<u>Medium / Distinct</u>	<u>FSL</u>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	No	
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Upland  
Upgradient Flag 903-1

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>SPC</u>	Date: <u>5/6/06</u> County: <u>Clinton</u> State: <u>NK</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>PFO/PSS</u> Transect ID: <u>AR615-212-552</u> Plot ID: <u>T122-552</u>

*Banner Activity*

*W06 903-552*

**VEGETATION**

Plant Community Classification:

Percent Canopy Cover: Tree: 65.0 Shrub: 3.0 Herb: 20.8 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Grey Birch</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Hairy Berry</u>	<u>Shrub</u>	<u>FAC</u>	11.		
4. <u>Mayflower</u>	<u>Herb</u>	<u>FAC-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75

Remarks:

**HYDROLOGY**

- Recorded Data (Describe in Remarks):
- Stream, Lake, or Tide Gauge
- Aerial Photographs
- Other
- No Recorded Data Available

Field Observations:

- Depth of Surface Water (in.):
- Depth to Free Standing Water in Pit (in.):
- Depth to Saturated Soil (in.):

Wetland Hydrology Indicators: NONE

Primary Indicators:

- Inundated
  - Saturated
  - Water Marks
  - Drift lines
  - Sediment Deposits
  - Drainage Patterns In Wetlands
- Secondary Indicators (2 or more required):
- Oxidized Root Channels in Upper 12 inches
  - Water-Stained Leaves
  - Local Soil survey Data
  - FAC-Neutral Test
  - Other (Explain in Remarks)

Remarks: No Hydrology Indicators obs

Date: 5/6/06  
 Community ID: 216/PSD  
 Plot ID:

WTG-122-903-Sum

**SOILS**

Map Unit Name (Series and Phase): N/A		Drainage Class: MWD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	10p	10YR 2 3/2	None	None	None FSU
4-12 +	10w	10YR 4/4	None	None	None FSU
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: no redox features					

**WETLAND DETERMINATION**

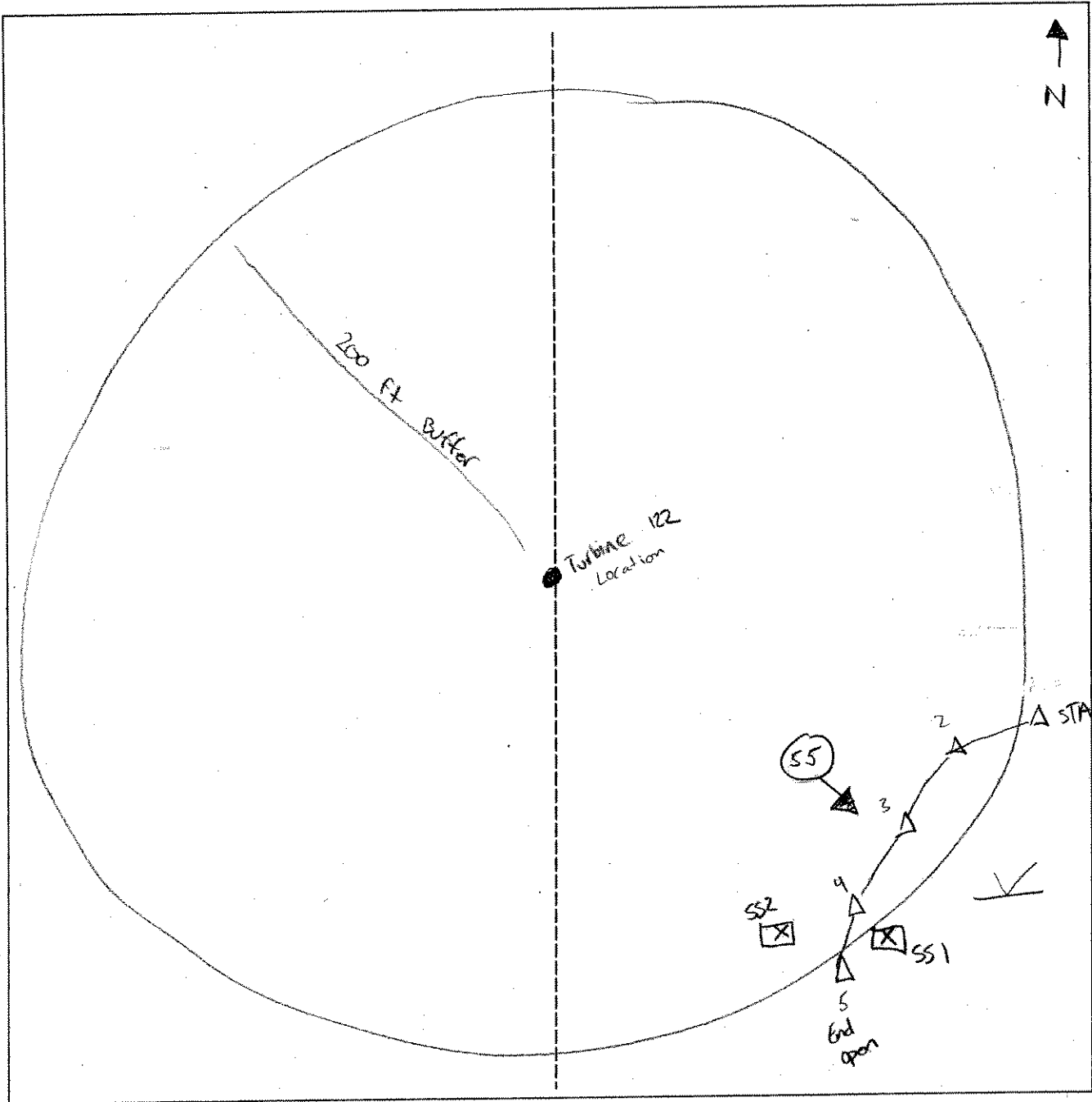
Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks		

WTG122-A

122

SKETCH FORM

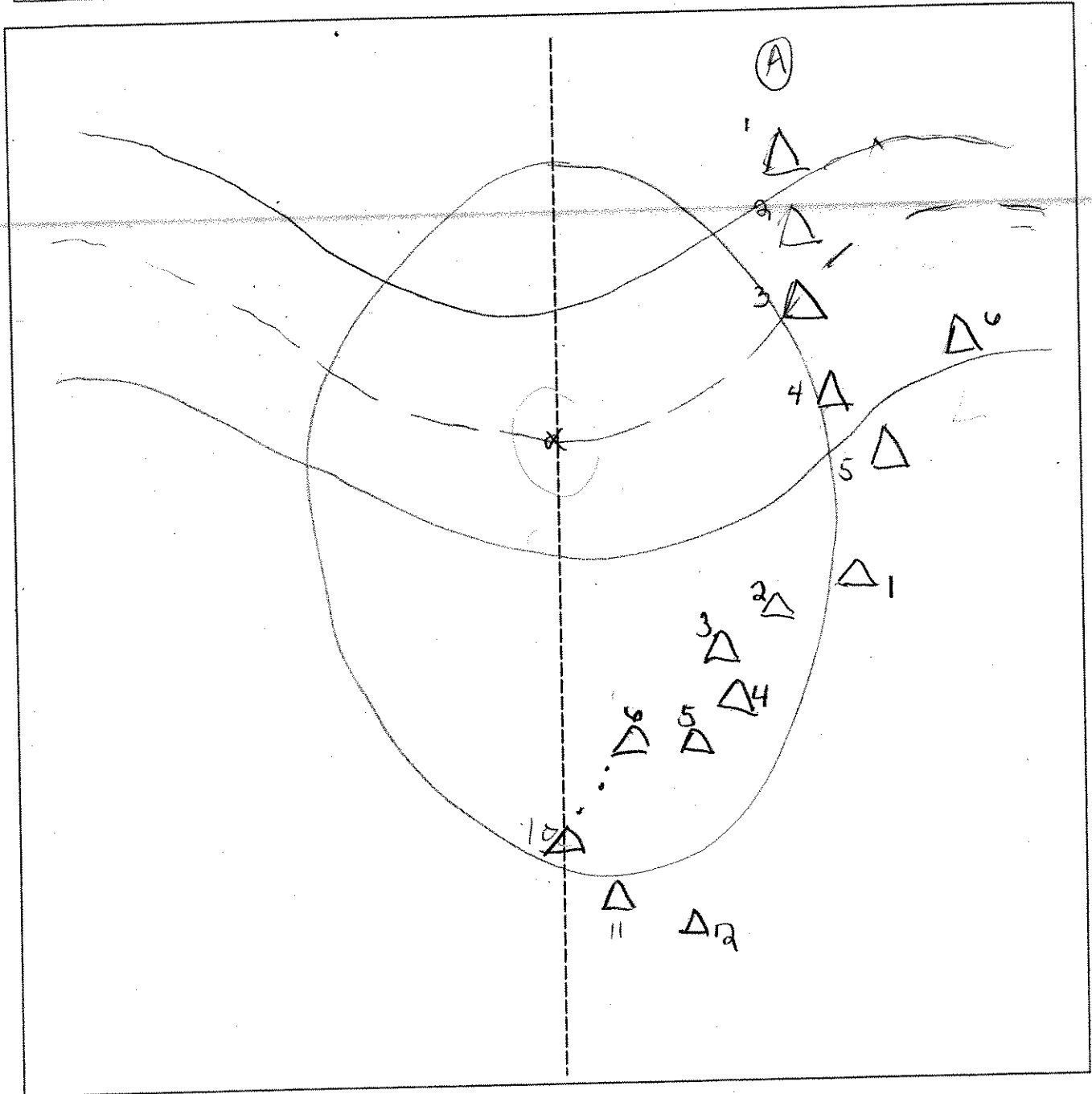
Wetland ID/Route #: WT 6 - 903	Date: 5-6-06	Time: 9:24 AM
Initials of Delineators: DO BR	Location: Marble River Clinton County, NY	
Roll #:	Frames: 55! Looking SE @	WT 6903-3/4



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

### SKETCH FORM

Wetland ID/Route #: <b>WTG 124 A/B</b>	Date: <b>7-22-06</b>	Time:
Initials of Delineators: <b>BR</b>	Location: <b>AR to Turbine 124</b>	
Roll #:	Frames:	



<u>Legend</u>			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MARBLE River, LLC</u> Applicant/Owner: <u>MARBLE River, LLC</u> Investigator: <u>PTD, RST</u>	Date: <u>5/8/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WERAN1</u> Transect ID: <u>WT6132A</u> Plot ID: <u>SS1</u>

**VEGETATION**

PTD

Plant Community Classification: \_\_\_\_\_

Percent Canopy Cover: Tree: 80% Shrub: 50% Herb: 10% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T/S/H	FAC	9.		
2. Gray birch	T/S	FAC	10.		
3. Green Ash	T		11.		
4. May Flower	SH	FAC	12.		
5. Equisetum	H	OBL	13.		
6. Sp. A.	H	OBL*	14.		
7. meadow sweet	S	FACW	15.		
8. Serritula	H	FACW	16.		

Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): \_\_\_\_\_

Remarks:  
 \* Not listed; presumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>2" in places</u> Depth to Free Standing Water in Pit (in.): <u>2"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/8/06  
 Community ID: wetlands  
 Plot ID: ~~A~~ WTB 12A-SS 1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/2	—	—	Silt loam
4-18	B	10YR 5/1	10YR 5/8	com/med/dist	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <span style="float:right;">Yes No</span>
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks <div style="text-align:center; font-size: 1.2em;">       Portion of wetlands        clear cut     </div>			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MADIE River</u> Applicant/Owner: <u>MADIE River, LLC</u> Investigator: <u>JAD, JS</u>	Date: <u>5/18/06</u> County: <u>Clinton</u> State: <u>NC</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: <u>WT6132A</u> Plot ID: <u>552</u>

**VEGETATION**

Plant Community Classification: _____					
Percent Canopy Cover: _____					
Tree: <u>85%</u>		Shrub: <u>50%</u>		Herb: <u>15%</u> Vine: <u>0</u>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>American Linden</u>	<u>T</u>	<u>FACU</u>	9. <u>Rice Sp</u>	<u>T/S</u>	<u>-</u>
2. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	10. <u>sugar maple</u>	<u>T</u>	<u>FACU-</u>
3. <u>X-mas fern</u>	<u>H</u>	<u>FACU-</u>	11. _____		
4. <u>Great Lily</u>	<u>H</u>	<u>UPL</u>	12. _____		
5. <u>Highbush blackberry</u>	<u>S</u>	<u>UPL</u>	13. _____		
6. <u>Bl. Alder</u>	<u>S</u>	<u>FAC</u>	14. _____		
7. <u>Q. asper</u>	<u>T</u>	<u>FACU</u>	15. _____		
8. <u>marsh Sweet</u>	<u>S</u>	<u>FACW</u>	16. _____		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>30%</u>					
Remarks: <u>&amp; UPL; Not listed and presumed</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>n/A</u> Depth to Free Standing Water in Pit (in.): <u>n/A</u> Depth to Saturated Soil (in.): <u>n/A</u>	
Remarks:	







note: there is no WAG 1345A Line

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <del>Tr 1345</del> MARBIE RIVER	Date: 5/7/06
Applicant/Owner: New York Power Authority MARBIE RIVER, LLC	County: <del>St Lawrence</del> Otsego
Investigator: PSS, V&I	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: wetland
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	Transect ID: WAG1345B
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No	Plot ID: SSI
(If needed, explain on reverse.)	

**VEGETATION**

PSS

Plant Community Classification: Tree: 20% Shrub: 85% Herb: 85% Vine: 0%

Percent Canopy Cover: Tree: 20% Shrub: 85% Herb: 85% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. RED maple	T/S/H	FAC	9. Club moss	H	—
2. Gray birch	S	FAC	10. ASTER SP	H	—
3. O. sp.	S	FACU	11.		
4. meadow sweet	S	FACW	12.		
5. J. sp.	H	FACW+	13.		
6. Sphagnum sp.	H	OBL*	14.		
7. O. sp.	H	—	15.		
8. Carex laxa	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 85%.

Remarks:  
 \* Not listed; presumed OBL

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): 6" in places Depth to Free Standing Water in Pit (in.): 12" Depth to Saturated Soil (in.): 0	
Remarks: Disturbed - H <sub>2</sub> O in Pits.	

Date: 5/7/06  
 Community ID: W02AND  
 Plot ID: NT6134513-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			Silty clay
12-14	B	10YR 6/1	10YR 15/8	con/come/iron	clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Reversal of Age at 14"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

Note: There is no WT61345A line

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MAURIE River</u> Applicant/Owner: <u>MAURIE River, LLC</u> Investigator: <u>TCR</u>	Date: <u>5/7/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>WT61345T</u> Plot ID: <u>552</u>

**VEGETATION** UPLAND Decid Forest (Treeline)

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>			
2. <u>Yellow Birch</u>	<u>T/S</u>	<u>FAC</u>			
3. <u>Club moss</u>	<u>H</u>				
4. <u>Cornus maxiflora</u>	<u>H</u>	<u>FAC</u>			
5. <u>Spikenard</u>	<u>S</u>	<u>FAC</u>			
6. <u>Gray birch</u>	<u>T/S</u>	<u>FAC</u>			
7. <u>Wild rose</u>	<u>H</u>	<u>FACU</u>			
8.					

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	Remarks:

Date: 5/7/06  
 Community ID: WT61345TS  
 Plot ID: - 552

**SOILS**

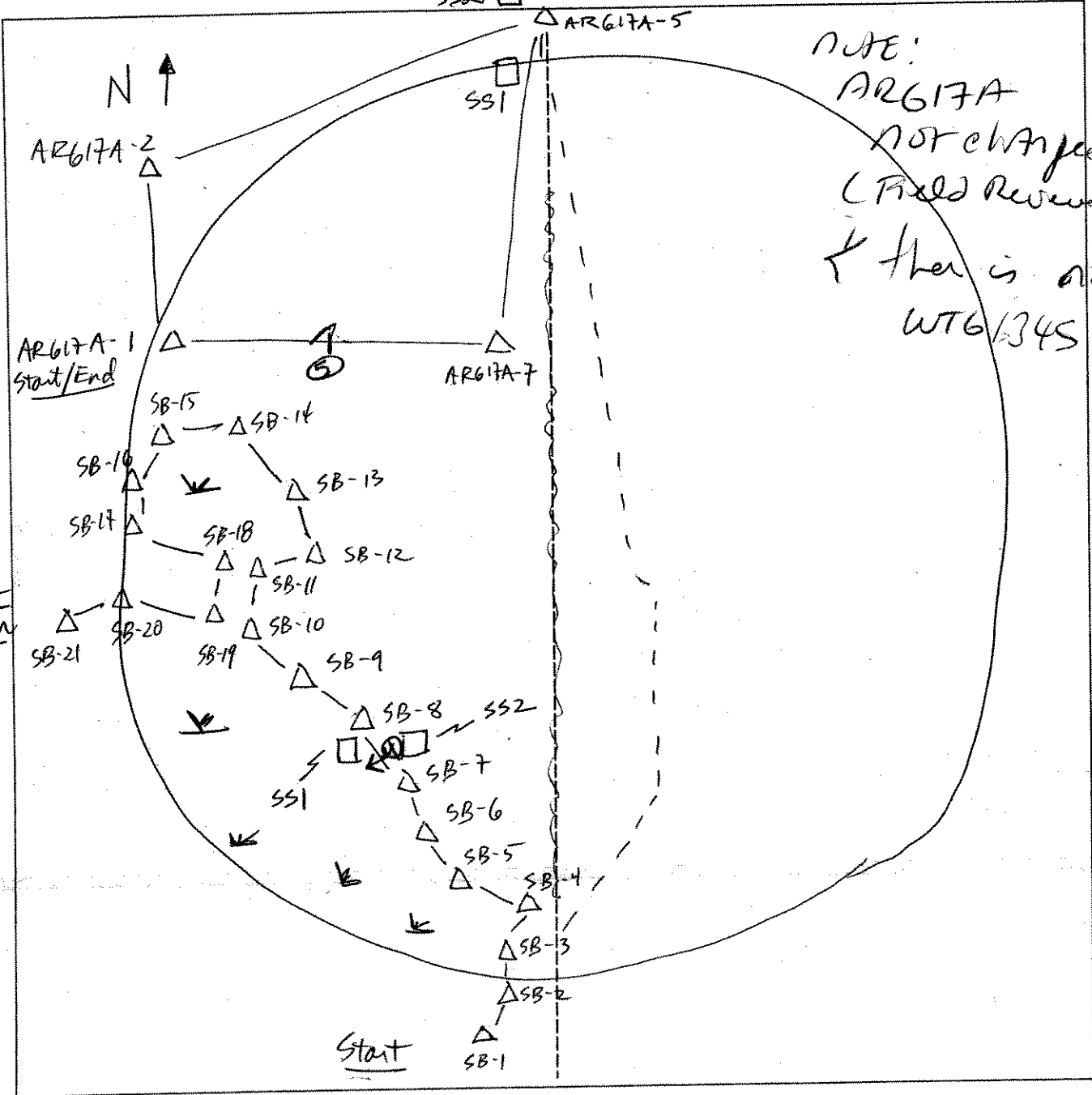
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR3/2	-	-	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Rebound of layer at 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Wetlands Hydrology Present?	Yes	No		Yes	No
Hydric Soils Present?	Yes	No		Yes	No
Remarks					

SKETCH FORM

Wetland ID/Route #: WTG 134S B	Date: 05-07-06	Time: 3:12 P.
Initials of Delineators: RD-RJ	Location: Turbine 134S	
Roll #: Frames: photo	4 → Wet WTG 134S B 5 → <del>Not ARG 17A</del>	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

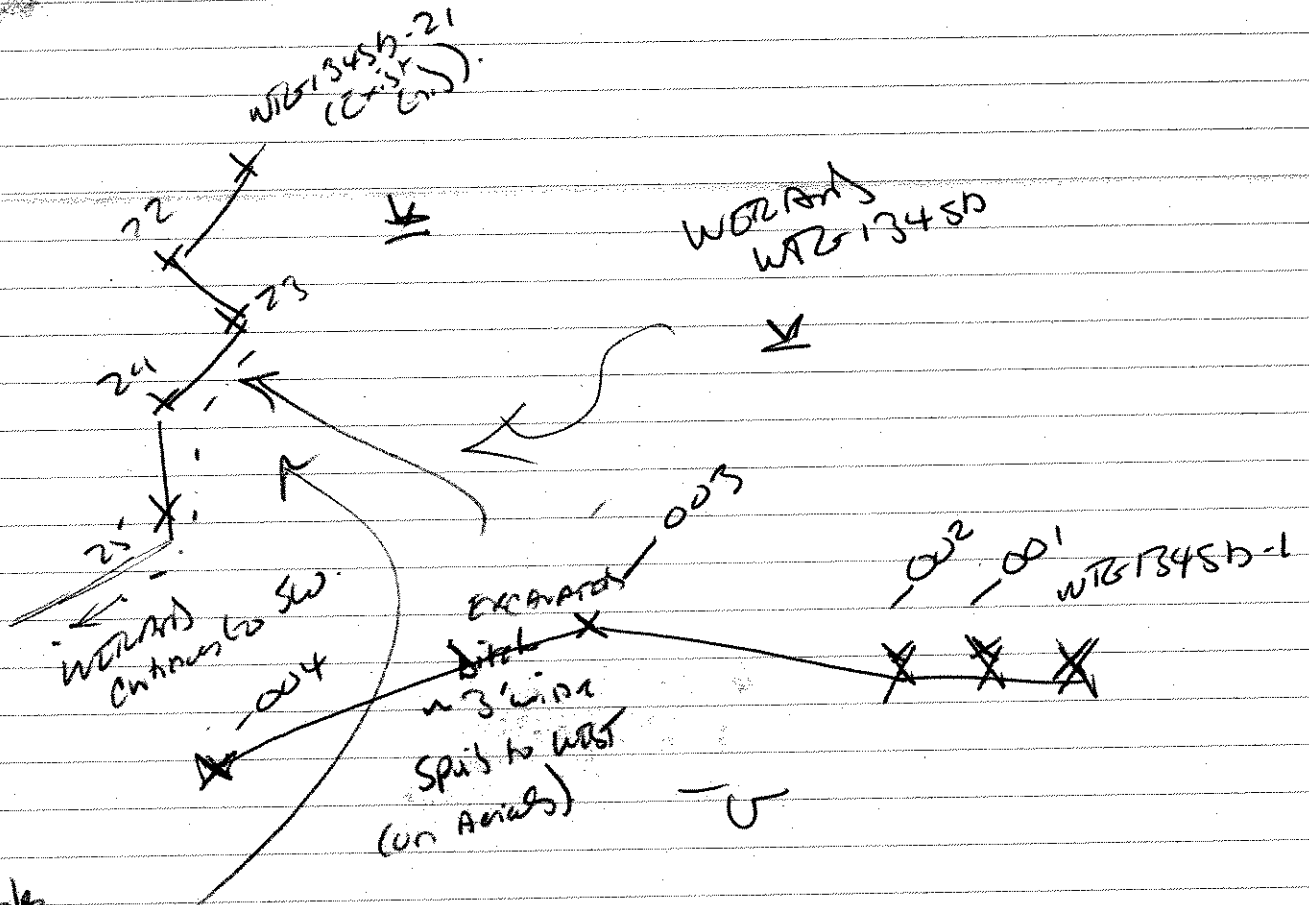
WTB 1345 Line Extension

6/22/06

4 of 5

Phase 5 ⇒ NNE AT Ag field (Axe) (Axe)

Extended WELAND WTB 1345 Line  
As below



- Red maple
- Oak
- Spruce
- Gray soil
- Wetland Tanks

Phase 6 ⇒ SE AS LOGGED AREA to EAST OF (WELAND)

Property

Ditch (logged) Area Upland except in lots

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Wetland  
 D.6. 12A

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BON	Date: 5/11/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: DE0/F Transect ID: Plot ID: WTB.137W - 881

A-S-Saved

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 38.0 Shrub: 63.0 Herb: 86.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gray Birch	Tree	FAC	9.		
2. Red Maple	Tree	FAC	10.		
3. Aspen	Tree	FACW	11.		
4. Alder	Shrub	FACW	12.		
5. Hairy Broomrape	Shrub	FAC	13.		
6. Smooth Fern	Herb	FACW	14.		
7. Associated Grasses*	Herb	FAC	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/7 = 86

Remarks:  
 \*Unable to definitively ID due to season condition - assumed FAC

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches  <input checked="" type="checkbox"/> Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): None          Depth to Free Standing Water in Pit (in.): 6"          Depth to Saturated Soil (in.): 6"</p>	
<p>Remarks:</p>	



Wetland

Date: 5/11/06  
Community ID: P40/AB  
Plot ID:

WTA 137-W

**SOILS**

Map Unit Name (Series and Phase): N/D  
Taxonomy (SubGroup): N/D  
Drainage Class: PD  
Field Observations  
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 2/1	None	None	ESL
10-20	B <sub>wp</sub>	2.5Y 5/2	10YR 4/6	Few / med / Dist.	SL

- Hydro Soil Indicators
- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input checked="" type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input checked="" type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Upland  
U.G. 1A

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BPR</u>	Date: <u>5/11/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>PC0188</u> Transect ID: Plot ID: <u>WTG B2W 552</u>

**VEGETATION** \* Tree clearing in vicinity A-Series

Plant Community Classification: Tree: 38.0 Shrub: 38 Herb: 63.0 Vine: 3.0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Green Maple</u>	<u>Tree</u>	<u>FACU</u>	10.		
3. <u>Aspen</u>	<u>Tree</u>	<u>FACU</u>	11.		
4. <u>Grey Birch</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Aspen</u>	<u>Shrub</u>	<u>FACU</u>	13.		
6. <u>my flowers</u>	<u>Herb</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/6 = 33

Remarks:

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>none</u> Primary Indicators: ___ Inundated ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 15"</u> Depth to Saturated Soil (in.): <u>&gt; 15"</u>	
Remarks:	

Wetland

Date: 5/19/06  
Community ID: P96/PFD  
Plot ID:

WTG 137 W Ss-2 B-Series

**SOILS**

Map Unit Name (Series and Phase): N/A	Drainage Class: MWD
Taxonomy (SubGroup): N/A	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10 YR 3/2	None	None	FGL
6-15	Bw1	10 YR 4/4	None	None	FGL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

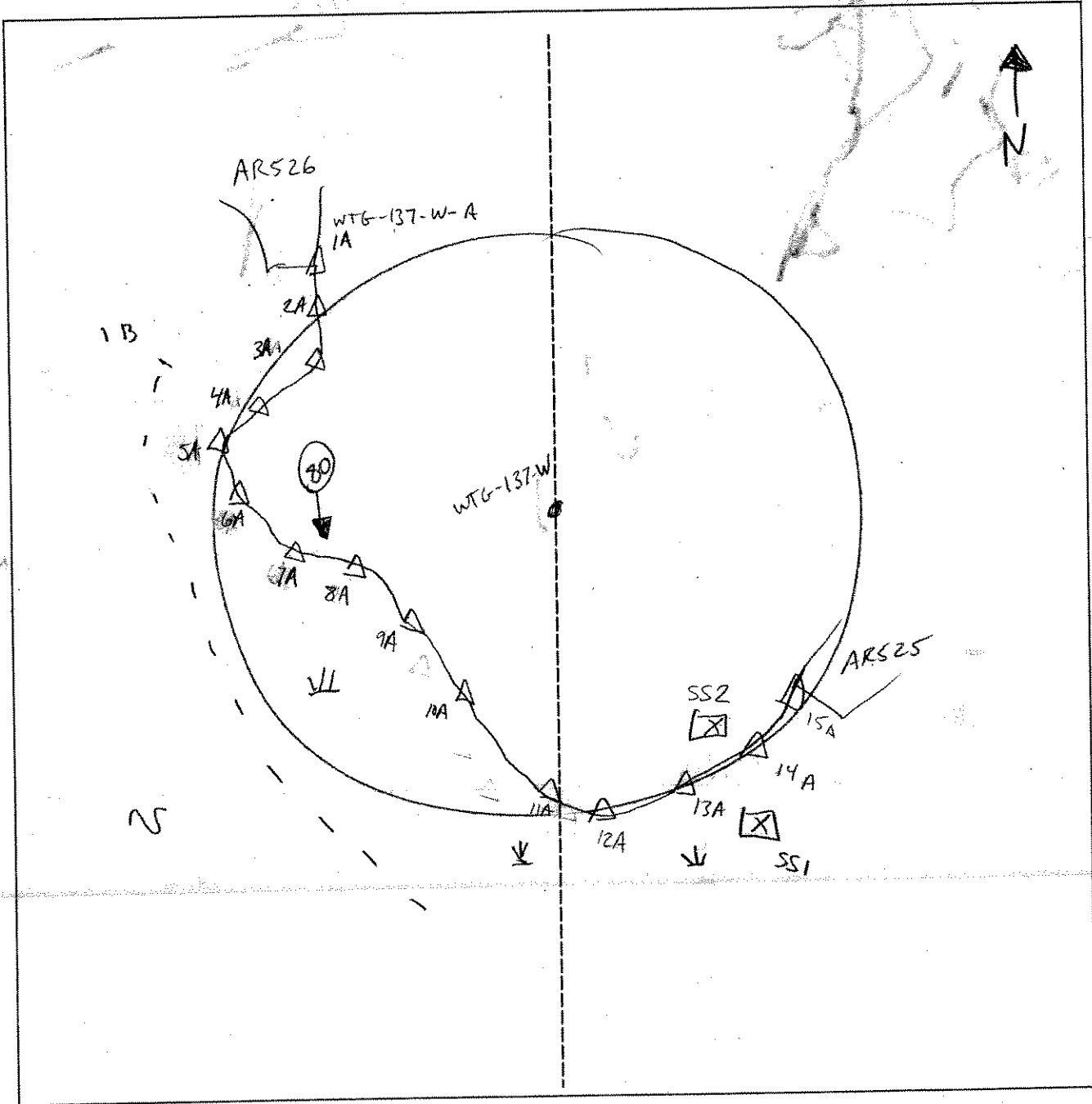
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

**SKETCH FORM**

Wetland ID/Route #: WTG-137-W-	Date: 5-11-06	Time:
Initials of Delineators: BR DO	Location: Marble River	
Roll #:	Frames: 8D: Looking S @ WTG-137-W	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-24-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>WT6 137W-A-SS1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>40</u>	Shrub: <u>70</u>	Herb: <u>35</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Acet. Idroam</i>	T	FAC	10.		
3. <i>Abundum Cassinoides</i>	SH	FACW	11.		
4. <i>Vaccinium angustifolium</i>	SH	FACW	12.		
5. <i>Carex crinata</i>	H	OBL	13.		
6. <i>Sphagnum</i>	H	OBL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					<u>83%</u>
Remarks:					

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.): <u>Surface</u></p>	
Remarks:	

Date: 7-24-06  
 Community ID: wetland  
 Plot ID:

WTG BTW-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	Oe	7.5YR 3/2	-	-	Root
3-6	Oa	10YR 2/1	7.5	0x RL:20	SADRIC Organic
6-10	A	2.5Y 3/1	7.5Y 3/3	5%	
10-16"	Bg	2.5Y 6/2	2.5Y 6/6	75%	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
Pic → E			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BCE</i>	Date: <i>7-29-06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: Transect ID: <i>Upland</i> Plot ID: <i>WTG 137W-1-SS2</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>30</i> Herb: <i>35</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Populus grandidentata</i>	T	FACW	10.		
3. <i>Bracken fern</i>	H	FACU	11.		
4. <i>Viburnum cassinoides</i>	SH	FACW	12.		
5. <i>Canada wildflower</i>	H	FAC	13.		
6. <i>Lycopodium obscurum</i>	H	FACU	14.		
7. <i>Sarsaparilla</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>29%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <i>none</i> <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>none</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-24-06  
 Community ID: upland  
 Plot ID:  
 WTG 137W-A-557

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O <sub>1</sub>	7.5YR 3/4	—	—	
2-3	A <sub>p</sub>	2.5Y 2.5/1	—	none	sandy loam
3-4	E	10YR 9/2	—	—	discontinuous ↓
4-6	B <sub>hs</sub>	7.5YR 3/3	—	—	
6-12+	B <sub>w</sub>	7.5YR 4/6	—	—	

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

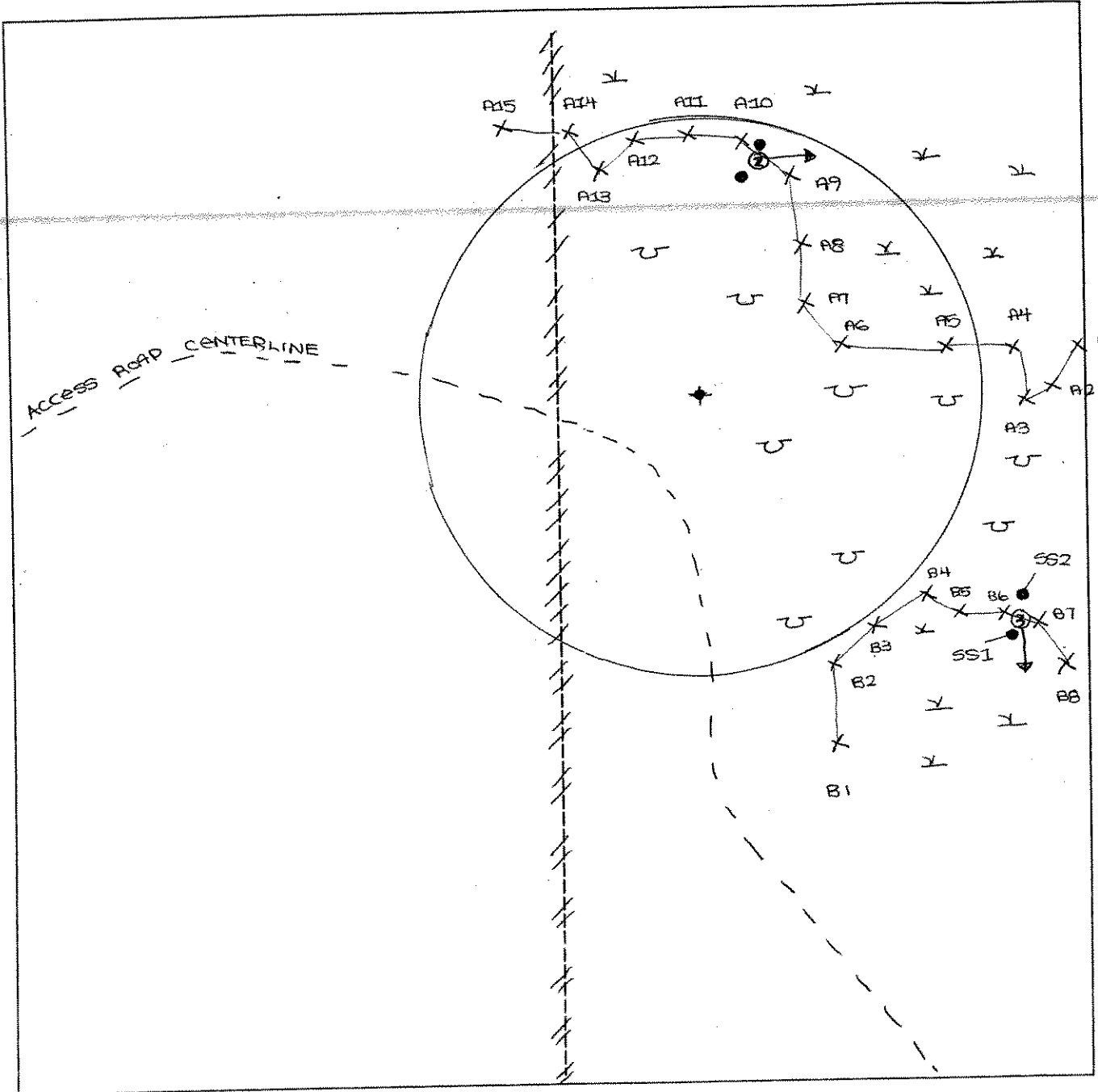
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydic Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: \_\_\_\_\_



### SKETCH FORM

<b>Wetland ID/Route #:</b> WTS1370W-A/B	<b>Date:</b> 7/24/06	<b>Time:</b>
<b>Initials of Delineators:</b> BG / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO 2 FACING EAST PHOTO 3 FACING SOUTH		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Wetland

D.G. WTB 138 5A

Azules

DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble Run Applicant/Owner: Marble Run LLC Investigator: BPA	Date: 5/11/06 County: Clinton State: KY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Community ID: PFO/P45 Transect ID: Plot ID: WTB 138 5A 1 Azules

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: 28 Shrub: 38 Herb: 85.5 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	Tree	FAC	9.		
2. Grey Birch	Tree	FAC	10.		
3. Swampy Broom	Shrub	FAC	11.		
4. Shiny Clubmoss	Herb	FACW	12.		
5.			13.		
6. Sphagnum	G.C	OBL*	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks: * Carpet of Sphagnum * Assume OBL					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated to surface <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): None Depth to Free Standing Water in Pit (in.): Surface Depth to Saturated Soil (in.): Surface	
Remarks:	

D.G. WTG 138 - 5A

Date: 5/11/06  
 Community ID: PFD/PSS  
 Plot ID:

WTG 138 501 A-Sandy

**SOILS**

Map Unit Name (Series and Phase): <b>w/m</b>		Drainage Class: <b>UFD</b>			
Taxonomy (SubGroup): <b>N/A</b>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
4-8	OL	10YR 2/1	none	none	Fibrous
8-10	Ap	10YR 2/1	none	none	FSL
10-16	Bg	2.5Y 4/1	none	none	SL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	No	
Remarks			

vpland  
U.G. W26138-5A

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BPR</u>	Date: <u>5/11/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>P80/P80</u> Transect ID: Plot ID: <u>W26138-551-4 Camp</u>

**VEGETATION**

Plant Community Classification: Tree: 63 Shrub: 380 Herb: 380 Vine: 0

Percent Canopy Cover: Tree: 63 Shrub: 380 Herb: 380 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>FAC</u>		9.		
2. <u>Sugar maple</u>	<u>FACW</u>		10.		
3. <u>Aspen</u>	<u>FACW</u>		11.		
4. <u>Beech</u>	<u>FACW</u>		12.		
5. <u>Wanny berry</u>	<u>FAC</u>		13.		
6. <u>Burden Fork</u>	<u>FACW</u>		14.		
7. <u>May Flower</u>	<u>FAC</u>		15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/7 = 29

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>none</u> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>&gt;14"</u> Depth to Saturated Soil (in.): <u>&gt;14"</u>	
Remarks:	

Date: 5/11/06  
 Community ID: P86/PFO  
 Plot ID:

WTB 138 852 Acres

**SOILS**

Map Unit Name (Series and Phase): N/A  
 Taxonomy (SubGroup): N/A  
 Drainage Class: WD  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	Dp	10 YR 3/1	None	None	FSL
4-12*	Bw <sub>1</sub>	10 YR 4/4	None	None	FSL

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

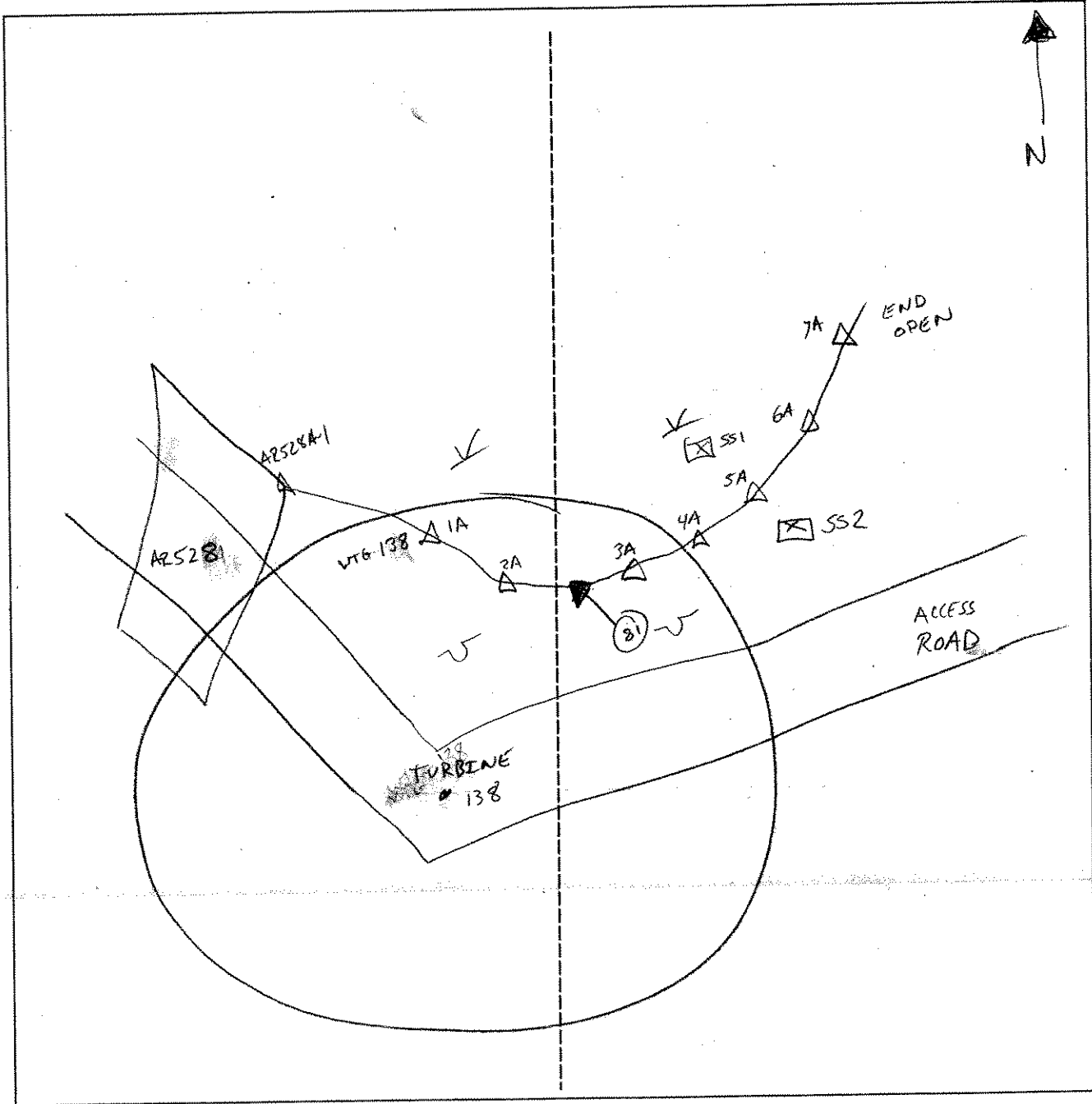
Remarks:  
 Extremely Rocky

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No	
Remarks		

**SKETCH FORM**

<b>Wetland ID/Route #:</b> WTG-138-A LTR	<b>Date:</b> 5-11-06	<b>Time:</b>
<b>Initials of Delineators:</b> BR DO	<b>Location:</b> Marble River	
<b>Roll #:</b> <b>Frames:</b> 81: Looking NW @ WTG-138-A		



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

Wetland  
D 12-25-138 1-3  
1551

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: <i>Middle River</i> Applicant/Owner: <i>Middle River LLC</i> Investigator: <i>13212</i>	Date: <i>5/11/06</i> County: State:
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>DE000</i> Transect ID: Plot ID: <i>W20133-551-B-600</i>

**VEGETATION** \* *Vegetation Clearing*

Plant Community Classification: Percent Canopy Cover: Tree: <i>20.4</i> Shrub: <i>10.5</i> Herb: <i>39</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Spotted alder</i>	<i>Herb</i>	<i>FAC</i>	10.		
3. <i>Sweetgum</i>	<i>Herb</i>	<i>FAC</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/39 = 100</i>					
Remarks: <i>dominant species in the W.L. are FAC, mainly due to seasonal conditions / Vegetation Clearing</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other * <u>___</u> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> ___ Inundated <input checked="" type="checkbox"/> <u>Saturated</u> ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> <u>Drainage Patterns in Wetlands</u> <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> <u>Oxidized Root Channels in Upper 12 inches</u> <input checked="" type="checkbox"/> <u>Water-Stained Leaves</u> ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 5/11/00  
 Community ID:  
 Plot ID:

WT-5-38-351 3 Series

**SOILS**

Map Unit Name (Series and Phase): N/A	Drainage Class: RD
Taxonomy (SubGroup): N/A	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A <sub>1</sub>	10YR 2/1	None	None	SGC
10-14+	B <sub>1</sub>	10YR 5/3	10YR 5/2 & 10YR 5/8	Common / med / faint	SGC

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:**

- Disturbed soil profile w/ high & low chroma redox features. Soil appears mixed by earth disturbance

- Product of standing H<sub>2</sub>O obs.

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Remarks		



UPLAND  
 U.G. 138-198-198

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <i>Maple River</i>	Date: <i>5/11/06</i>
Applicant/Owner: <i>Maple River LLC</i>	County: <i>Clinton</i>
Investigator: <i>SSZ</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>PEO/PEW</i> Transect ID: Plot ID: <i>INT G 138-SSZB</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION**

Plant Community Classification: *SSZ*

Percent Canopy Cover: Tree: *85.5* Shrub: *20.5* Herb: *39.0* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Green Maple</i>	<i>Tree</i>	<i>FACW</i>	10.		
3. <i>Red Maple</i>	<i>Shrub</i>	<i>FAC</i>	11.		
4. <i>Green Maple</i>	<i>Shrub</i>	<i>FACW</i>	12.		
5. <i>Wild Cherry</i>	<i>Shrub</i>	<i>FACW</i>	13.		
6. <i>Common Flower</i>	<i>Herb</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/6 133*

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: <i>None</i></p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>None</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>&gt;14"</i></p> <p>Depth to Saturated Soil (in.): <i>&gt;14"</i></p>	
Remarks:	

Date: 5/11/06  
 Community ID: 250/261  
 Plot ID:

UTC 138 SS 2 - by G. Lewis

**SOILS**

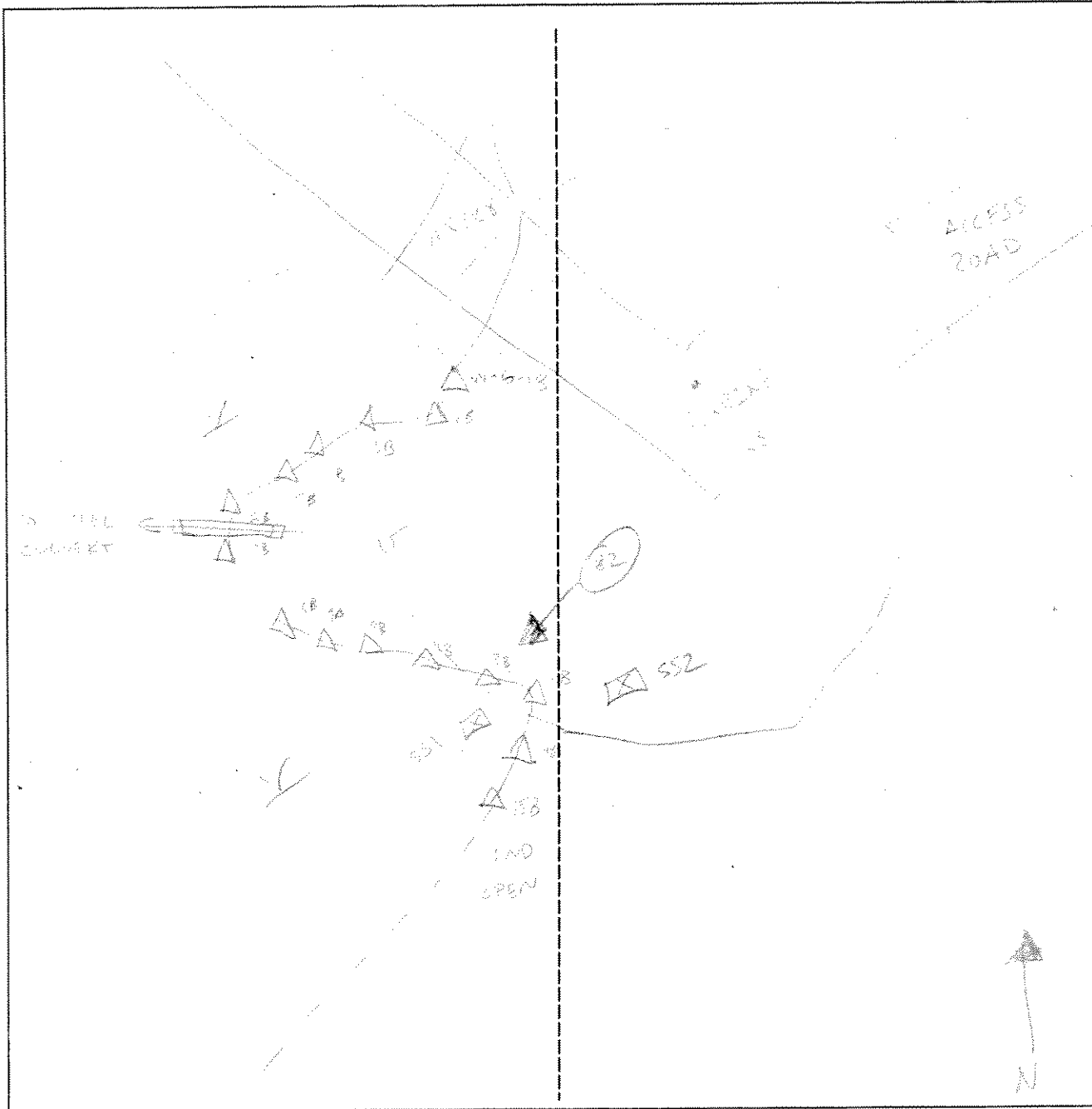
Map Unit Name (Series and Phase): <i>n/a</i>		Drainage Class: <i>mud</i>			
Taxonomy (SubGroup): <i>n/a</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-4</i>	<i>Ap</i>	<i>10YR 2.5/2</i>	<i>none</i>	<i>none</i>	<i>fine</i>
<i>4-14+</i>	<i>Bu1</i>	<i>10YR 2.5/4</i>	<i>none</i>	<i>none</i>	<i>fine</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Remarks			

### SKETCH FORM

Wetland ID/Route #: 75-28-3	Date: 8/1/06	Time:
Initials of Delineators: J. CO	Location: Marble River	
Roll #:	Frames: 32 along LN @ 75-28-3	



<u>Legend</u>	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
▽	Wetland
—	Upland
—	Stream
- . . -	Intermittent Stream

### DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River</u> Applicant/Owner: <u>MARSH MICH LLC</u> Investigator: <u>BR</u>	Date: <u>5/15/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: _____ Plot ID: _____ <u>WTG-140-A-SS1</u>

#### VEGETATION

	Dominant Plant Species	Stratum	Indicator		Dominant Plant Species	Stratum	Indicator
*	1 <u>Acer rubrum</u>	<u>Tree</u>	<u>FAC</u>	9			
	2 <u>Populus grandidentata</u>	<u>Tree</u>	<u>FACW</u>	10			
*	3 <u>Acer rubrum</u>	<u>Shrub</u>	<u>FAC</u>	11			
*	4 <u>Viburnum Casinoides</u>	<u>Shrub</u>	<u>FACW</u>	12			
*	5 <u>Low bush blueberry</u>	<u>Shrub</u>	<u>FACW</u>	13			
*	6 <u>Sphagnum</u>	<u>herb</u>	<u>OBL</u>	14			
	7 <u>M. canadense</u>	<u>herb</u>	<u>etc</u>	15			
	8			16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 90.71

Remarks:

#### HYDROLOGY

<input type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: <u>3"</u> (in.) Depth to Saturated Soil: <u>surface</u> (in.)	
Remarks:	

**SOILS**

Map Unit Name \_\_\_\_\_  
 (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-5	Oe	10YR 2/1		0-2 Rhizo	
5-10+	Bg	10YR 5/1	10YR 9/6	common	loamy sand

Hydric Soil Indicators:

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No (Circle)	(Circle)
Wetland Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Is this Sampling Point Within a Wetland?			<input checked="" type="radio"/> Yes No
Remarks:			

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>Brendan Quigley</u>	Date: <u>5/15/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: _____ Plot ID: <u>WT6140-A-55</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
1	<i>Populus grandidentata</i>	Tree	FACU	9			
* 2	<i>Acer rubrum</i>	Tree	FAC	10			
* 3	<i>Betula populifolia</i>	Tree	FAC	11			
* 4	<i>Acer rubrum</i>	Shrub	FAC	12			
5	<i>Lycopodium dendroideum</i>	Herb	FACU	13			
6	<i>M. carolinense</i>	Herb	FAC-	14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 50%

Remarks:

**HYDROLOGY**

Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patters in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	
Remarks:	

**SOILS**

Map Unit Name \_\_\_\_\_  
 (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-3	A	10YR 2/1	none	none	
3-5	E	10YR 5/2	none	none	loamy sand
5-10	B <sub>s</sub>	7.5Y 4/2 4/6	none	none	loamy silt

Hydric Soil Indicators:

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	
Wetland Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(Circle)	
				Is this Sampling Point Within a Wetland? Yes <input checked="" type="radio"/> No
Remarks:				

Approved by HQUSACE 3/92

### DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BQ</u>	Date: <u>5/15/06</u> County: <u>Clinton</u> State: _____
Do Normal Circumstances exist on the site? <span style="float: right;">Yes No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;">Yes No</span> Is the area a potential Problem Area? <span style="float: right;">Yes No</span> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: _____ Plot ID: _____ WTG 140 C-55-1

#### VEGETATION

	Dominant Plant Species	Stratum	Indicator		Dominant Plant Species	Stratum	Indicator
*	<u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9			
*	<u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10			
*	<u>Utricularia carolinensis</u>	<u>SH</u>	<u>FACW</u>	11			
*	<u>A. repens</u>	<u>SH</u>	<u>FAC</u>	12			
*	<u>Utricularia carolinensis</u>	<u>h</u>	<u>FAC-</u>	13			
*	<u>Sphagnum moss</u>	<u>h</u>	<u>OBL</u>	14			
*				15			
*				16			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).				<u>83%</u>			
Remarks:							

#### HYDROLOGY

<input type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Soil Compaction 2 Inches <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>1" (in.)</u> Depth to Free Water in Pit: <u>2" (in.)</u> Depth to Saturated Soil: <u>1" (in.)</u>	
Remarks:	



**SOILS**

Map Unit Name \_\_\_\_\_ (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-5	O/A	10YR 2/1	ox Rizo		
5-10 <sup>t</sup>	Bg	10YR 6/1	10YR 5/6	> 5%	loamy sand

Hydric Soil Indicators:

Remarks:  
- extremely slow

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No (Circle)	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetland Hydrology Present?	<input checked="" type="radio"/> Yes	No (Circle)	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	

Remarks:  
- Wetland boundary coincident with topo

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 COE Wetlands Delineation Manual)

Project/Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BQ</u>	Date: <u>5/15/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: _____ Plot ID: _____ WTG 140 C-55-2

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
1	<i>P. grandidentata</i>	T	FACU	9			
* 2	<i>A. rubrum</i>	T	FAC	10			
3	low bush Blueberry	sh	FACU-	11			
* 4	<i>A. rubrum</i>	sh	FAC	12			
5	<i>M. canadensis</i>	Herb	FAC-	13			
6	<i>Trillium undulatum</i>	Herb	FACU	14			
* 7	<i>Trientalis borealis</i>	Herb	FAC	15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 42%

Remarks:

**HYDROLOGY** NONE

_____ Recorded Data (Described in Remarks): _____ Stream, Lake, or Tide Gauge _____ Aerial Photographs _____ Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> _____ Oxidized Root Channels in Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	
Remarks:	

**SOILS**

Map Unit Name \_\_\_\_\_ (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-1	A	10YR 2/1	none	none	
1-10 <sup>+</sup>	C	10YR 5/2	none	none	Coarse Sand

Hydric Soil Indicators:

Remarks:

- extremely stony cannot go below 10"  
 - C is white sand, parent material, NO REDOX

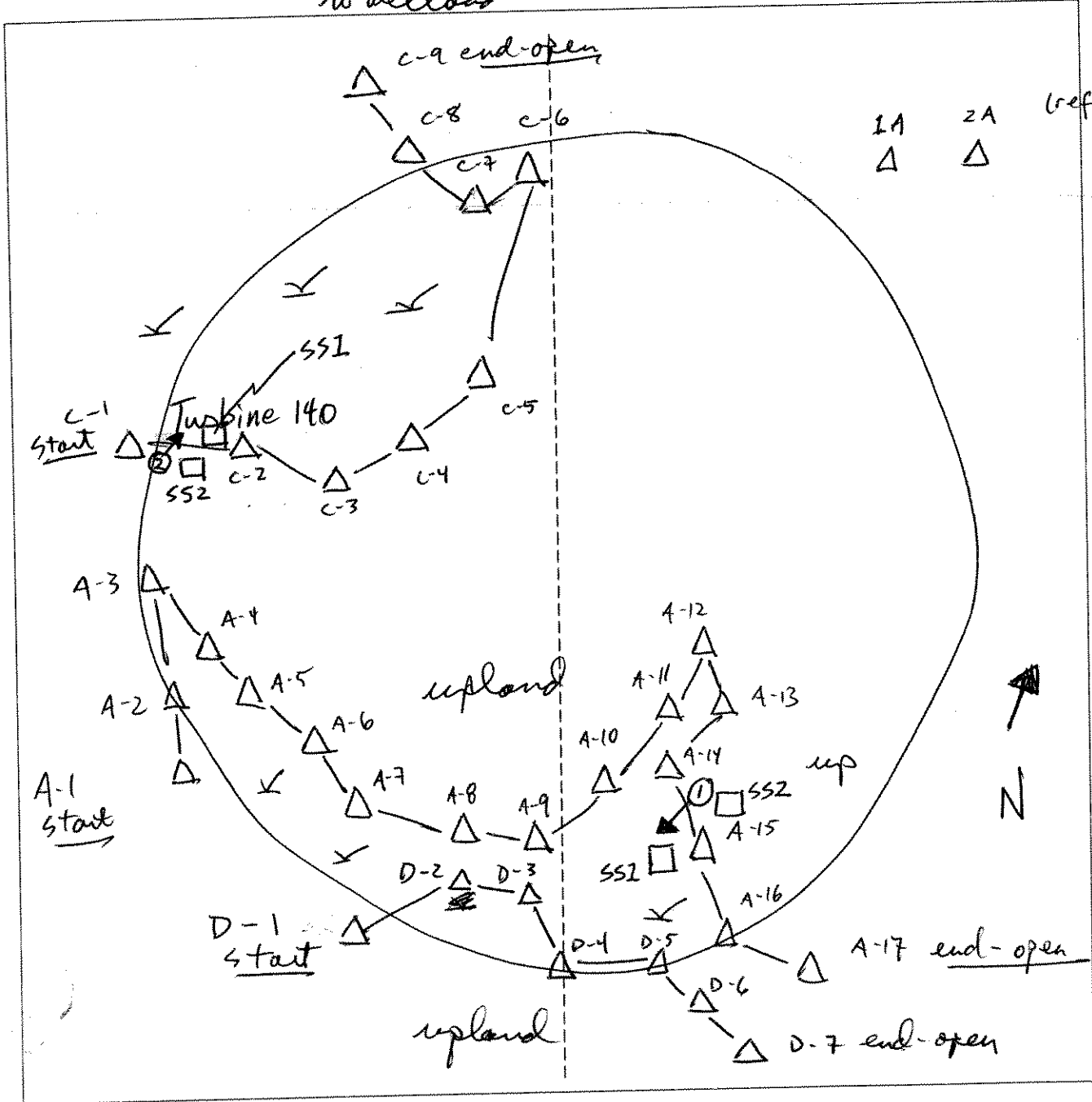
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Circle)	
Remarks:		

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SKETCH FORM

Wetland ID/Route #: WTG140A	Date: 5/15/06	Time: 3:30
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 1 facing S to wetland; photo 2 facing N to wetland	

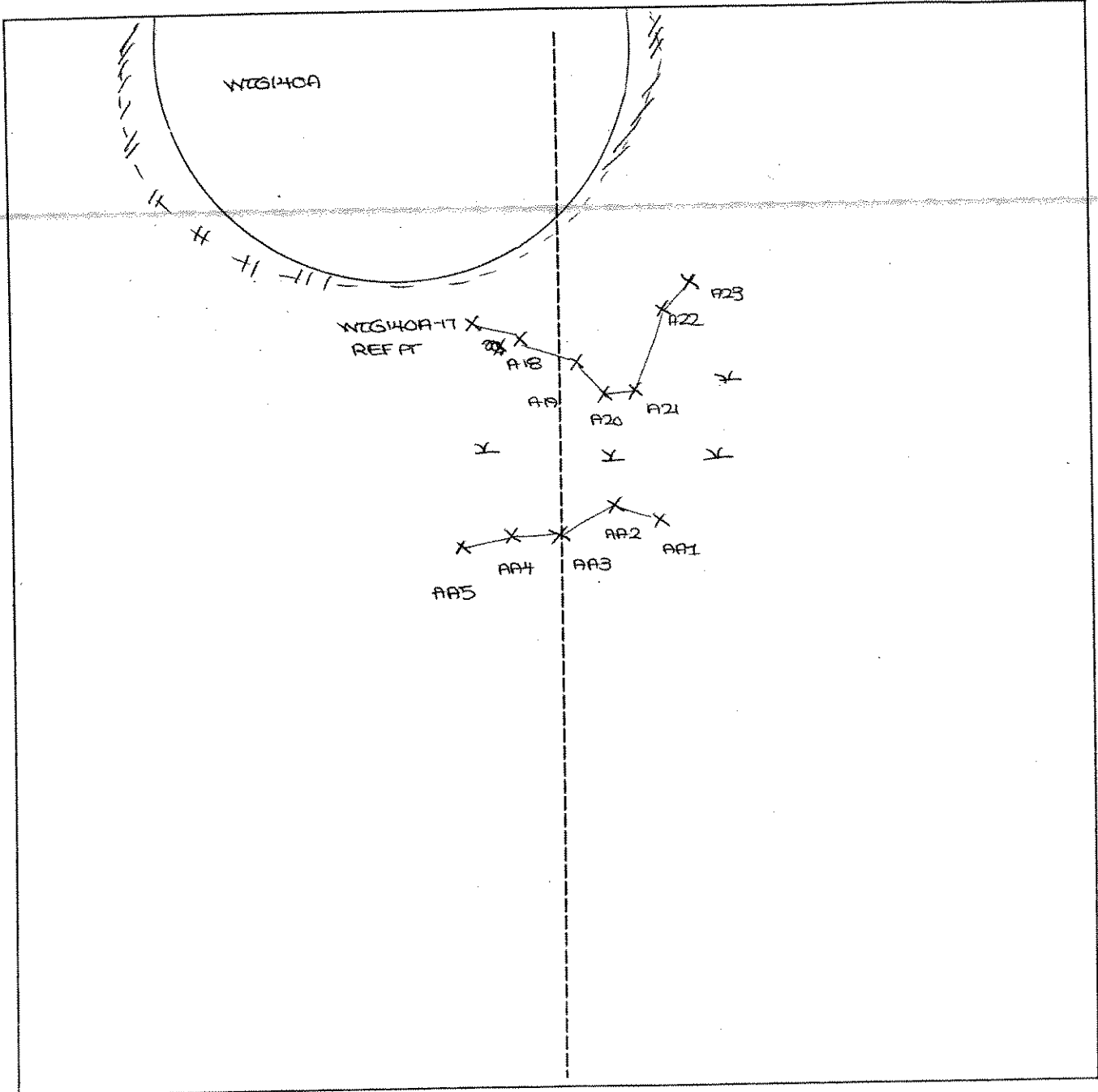


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

LINE EXTENSION

SKETCH FORM

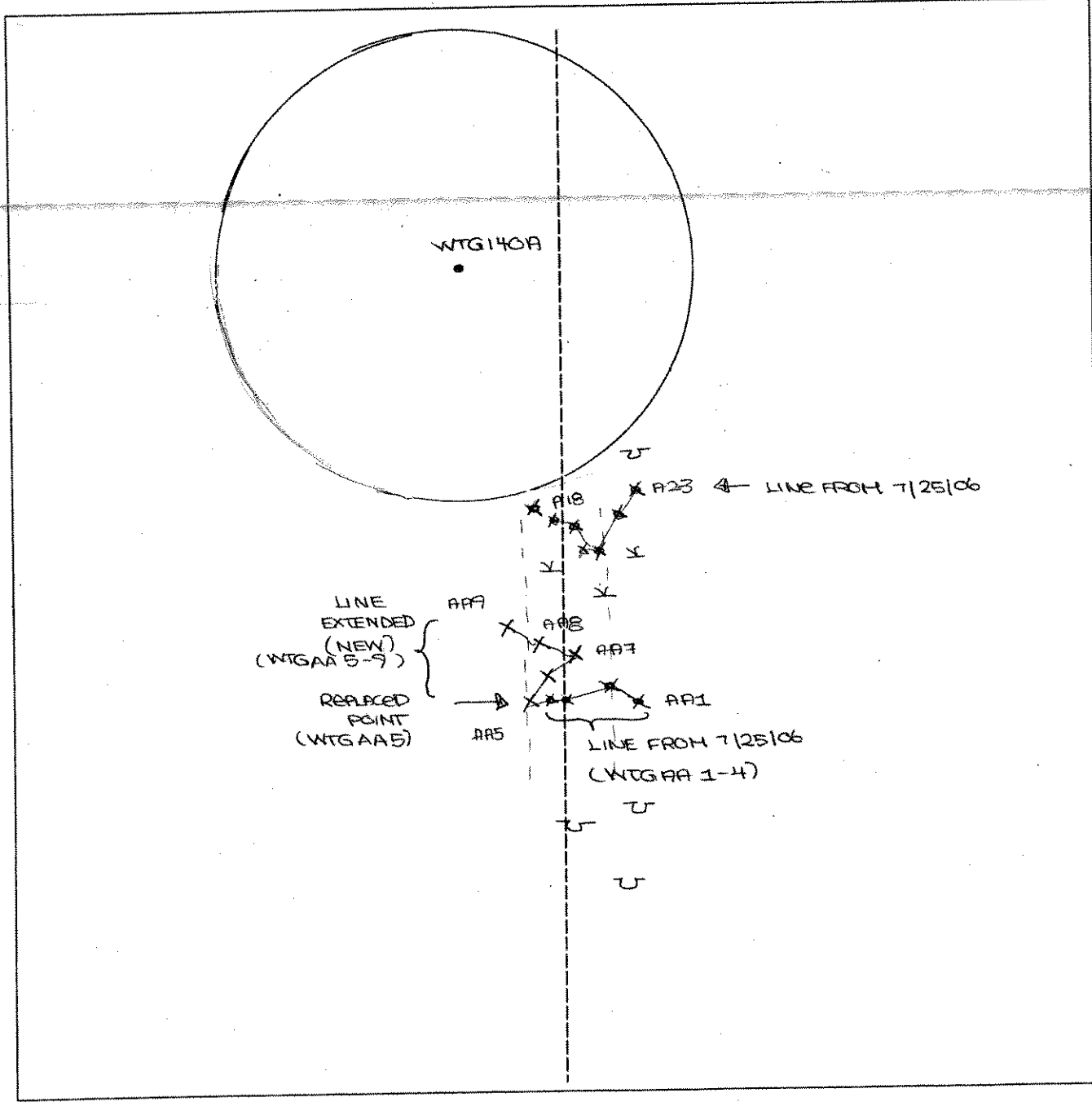
Wetland ID/Route #: WEG140A	Date: 7/25/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

REVISED LINE EXTENSION SKETCH FORM

Wetland ID/Route #: WTG140-AA <sup>REVISED!</sup>	Date: 7/26/06	Time:
Initials of Delineators: BG / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO ① FACING EAST	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County</u> Applicant/Owner: <u>Hudson</u> Investigator: <u>RTA, AK</u>	Date: <u>10/19/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>WCTRA1</u> Transect ID: <u>AR210 A/B</u> Plot ID: <u>551</u>

**VEGETATION**

PEN w scattered shrubs

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <input checked="" type="checkbox"/>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Duplewood</u>	<u>H</u>	<u>OBL</u>	9. <u>Spruce</u>	<u>H</u>	<u>FACW+</u>
2. <u>Canada Gold Rod</u>	<u>H</u>	<u>FACW</u>	10. <u>Meadow Sweet</u>	<u>S</u>	<u>FAC+</u>
3. <u>Flat topped Aster</u>	<u>H</u>	<u>FACW</u>	11. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>
4. <u>Red Carny Grass</u>	<u>H</u>	<u>FACW+</u>	12. <u>ELDER</u>	<u>S</u>	<u>FACW-</u>
5. <u>Bone Set</u>	<u>H</u>	<u>FACW+</u>	13. <u>Purple Stems Aster</u>	<u>H</u>	<u>OBL</u>
6. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	14. <u>CATTAILS</u>	<u>H</u>	<u>OBL</u>
7. <u>Wool Grass</u>	<u>H</u>	<u>FACW+</u>	15.		
8. <u>Oxeye Daisy</u>	<u>H</u>	<u>OBL</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 93%

Remarks:

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in upper 12 inches ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>~12" in places</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	

Remarks:

**SOILS**

ID:

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	HYR 2/1	NONE	—	ORGANIC
2-6	A	6.5Y 1/7/10G4	NONE	—	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSE OF AUGER @ 6"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes/No Yes/No Yes/No	(Circle)	(Circle)
Wetlands Hydrology Present?			
Hydric Soils Present?			
		Is this Sample Station Point Within a Wetland?	Yes/No Yes/No
		Is this an Isolated Wetland?	Yes/No Yes/No
Remarks			



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 COE Wetlands Delineation Manual)**

Project Site: <u>Clinton County</u> Applicant/Owner: <u>Hurzen</u> Investigator: <u>RDH, AR</u>	Date: <u>10/17/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>ARR10 A/B</u> Plot ID: <u>552</u>

**VEGETATION**

UPLAND FOREST

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>80%</u> Shrub: <u>9%</u> Herb: <u>5%</u> Vine: <u>0%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	T/S/H	FACW	9. TREE like clubmoss	H	FACW
2. AMER BIRCH	T/S	FACU	10. WOODLAND WOOD ASTER	H	UPL*
3. YELLOW BIRCH	T/S	FAC	11.		
4. SEVILLE HERRY	S	UPL*	12.		
5. MT. AIDEL	S	FAC	13.		
6. BRACKEN FER	H	FACU	14.		
7. WOOD FER	H	FACU	15.		
8. CLUB MOSS	H	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>					
Remarks: <u>* NOT LISTED</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>NA</u> Depth to Saturated Soil (in.): <u>NA</u>	
Remarks:	

ID:

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	NONE	---	ORGANIC
2-3	A1	7.5YR 6/3	NONE	---	SET CLAY
3-12	A2	10YR 3/4	NONE	---	SET CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: AUGER REPORT @ 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Wetlands Hydrology Present?	Yes	No <input checked="" type="radio"/>	(Circle)	
Hydric Soils Present?	Yes	No <input checked="" type="radio"/>		
			Is this Sample Station Point Within a Wetland?	Yes <input checked="" type="radio"/> No
			Is this an Isolated Wetland?	Yes No
Remarks				

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RAD JV</u>	Date: <u>5/15/06</u> County: <u>Clint</u> State: <u>IN</u>
Do Normal Circumstances exist on the site? <span style="margin-left: 20px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 20px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 20px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>0276-1550</u> Transect ID: <u>wetlands</u> Plot ID: <u>551</u>

**VEGETATION** Excavated p.f. open water w/ emergent veg

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>∅</u>	Shrub: <u>10%</u>	Herb: <u>20%</u>	Vine: <u>∅</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>J. Elymus</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>S. willow</u>	<u>SHub</u>	<u>OBL</u>	10.		
3. <u>C. sp.</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>Quercus sp.</u>	<u>H</u>	<u>—</u>	12.		
5. <u>U. sp.</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>G. sp.</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>S. sp.</u>	<u>S</u>	<u>FAC</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>* AS E-ly</u>					

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands
<p>Field Observations:</p> Depth of Surface Water (in.): <u>&gt; 1'</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	<p>Secondary Indicators (2 or more required):</p> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks:	

Date: 5/15/06  
 Community ID: wetlands  
 Plot ID: DUB-551

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 5/2			Clay
2-12	B	10YR-5/3 10YR-5/2	50/50	MA	Clay w/ site

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Color	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:  
 young hydric soils  
 starting to form  
 \* Refers to horizon AT 12"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Hoff Marble River LLC</u> Investigator: <u>RTD JV</u>	Date: <u>5-15-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WTG-155C</u> Transect ID: <u>Upland</u> Plot ID: <u>SSa</u>

**VEGETATION**

Plant Community Classification: Disturbed Early Succession  
 Percent Canopy Cover: Tree: 0 Shrub: 5% Herb: 2% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grey Birch</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>L.B. Blub.</u>	<u>S</u>	<u>FACU-</u>	11.		
4. <u>Clubmoss</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Hawkweed</u>	<u>H</u>	<u>UPL</u>	13.		
6. <u>Meadow Sweet</u>	<u>H</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0/0%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date: **WTG-155C 852**  
 Community ID: **Upland**  
 Plot ID: **5-15.06**

**SOILS**

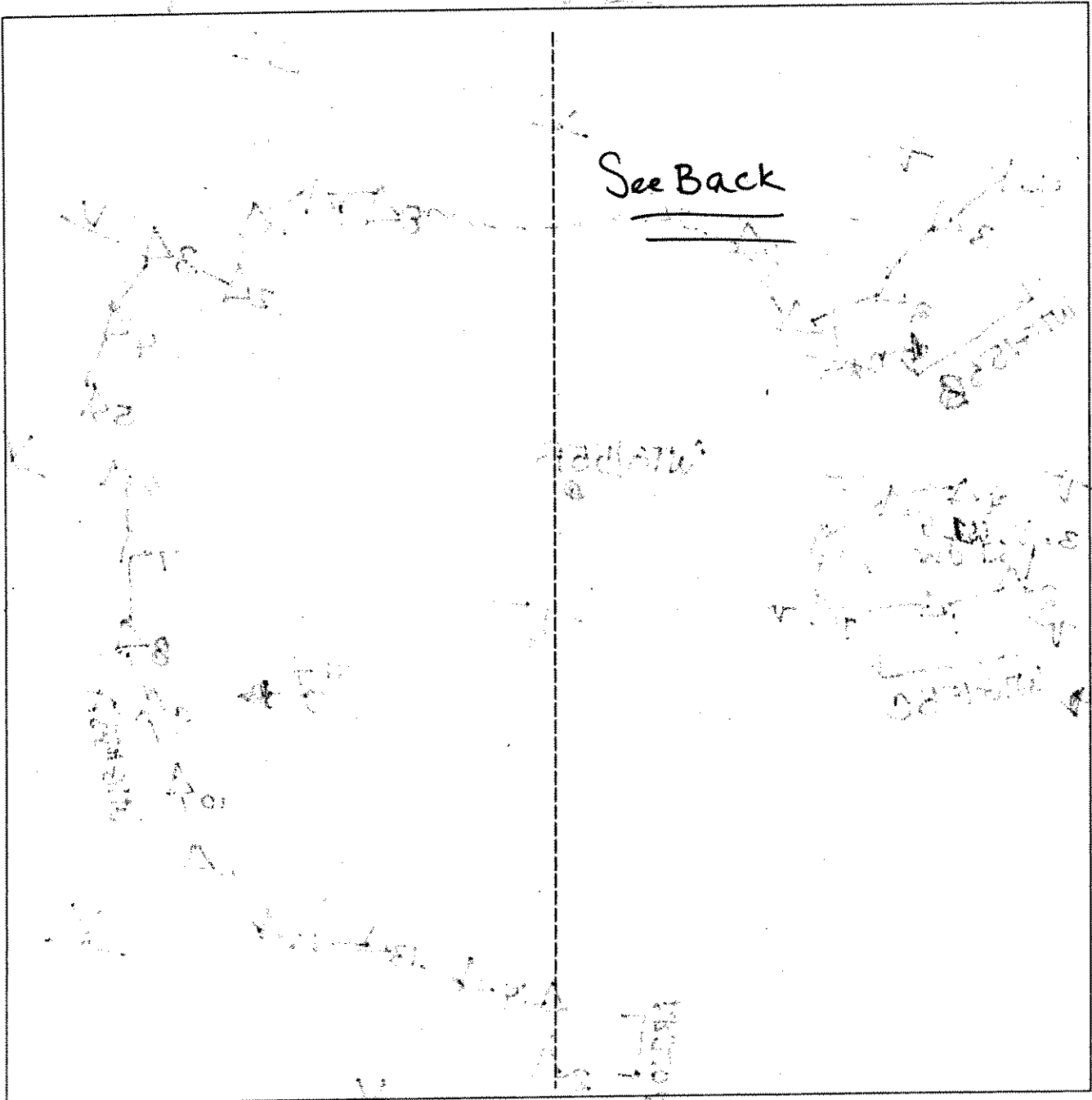
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	<del>A</del>	10YR-4/2	-	-	loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Refusal a B''</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

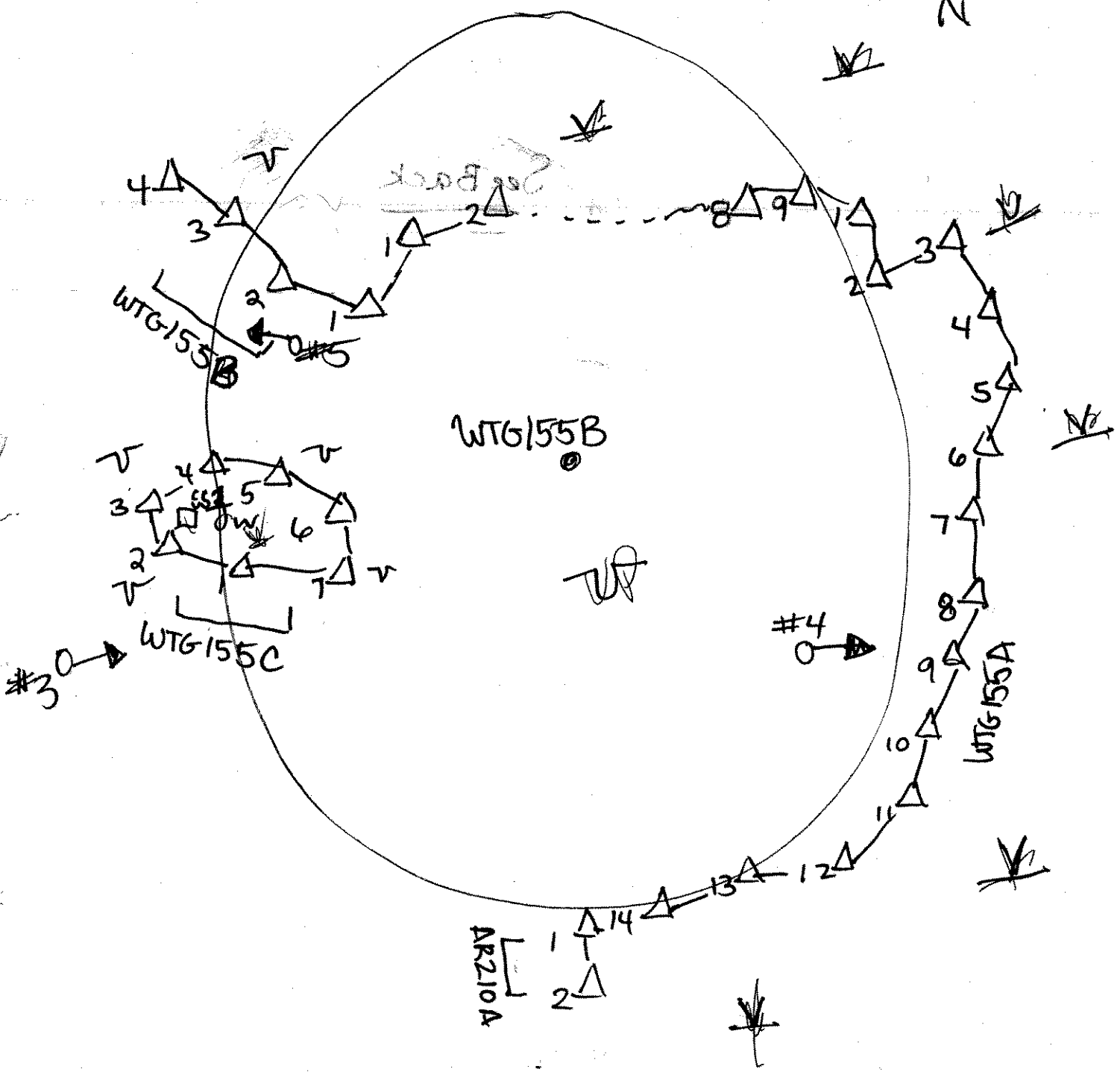
Wetland ID/Route #: WTG155B (Reference points <del>WTG155B</del> AR210A AND)	Date: 5-15-06	Time:
Initials of Delineators: RD, JV	Location:	
Roll #: #4 A NE	Frames: #3 B W. C NW	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

ARZIOA  
WTG 155B (PERMANENT POINTS)  
2-18-00  
ARZIOA

WTG 155B  
WTG 155A  
WTG 155C





**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>MARSH RIVER</u>	Date: <u>8/11/06</u>
Applicant/Owner: <u>MARSH RIVER, LLC</u>	County: <u>Clinton</u>
Investigator: <u>AD, BT</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WETLANDS</u> Transect ID: <u>WTG156A</u> Plot ID: <u>-551</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

**VEGETATION** MESIC PFD. - Hummock

Plant Community Classification:		Tree:		Shrub:		Herb:		Vine:	
Percent Canopy Cover:									
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator				
1. <u>RED maple</u>	<u>TIS/H</u>	<u>FAC</u>	9.						
2. <u>SPRAG mud</u>	<u>H</u>	<u>OBL</u>	10.						
3.			11. <u>Observed in other parts of wetlands</u>						
4.			12. <u>SPRAG mud</u>	<u>S</u>					
5.			13. <u>Cyperus sp</u>	<u>H</u>					
6.			14. <u>MAINT Fern</u>	<u>H</u>	<u>NL</u>				
7.			15. <u>TRIAL ROL</u>	<u>S</u>					
8.			16. <u>J. Cyperus</u>	<u>H</u>	<u>OBL</u>				

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: Hummocks support VEG similar to those identified for SS2.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Scalloped Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>10" inches</u> Depth to Free Standing Water in Pit (in.): <u>Ø</u> Depth to Saturated Soil (in.): <u>Ø</u>	
Remarks: <u>x Distressed Tree trunks</u> <u>Photo 6 ⇒ N of wetland from WTG156A-14</u>	

Date: 5/11/06  
 Community ID: wetlands  
 Plot ID: WTB158A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR/2/1	—	—	Organic muck sandy loam
6-12	A	10YR5/1-3S12	—	—	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: * Rebound of Age at 12"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>MAURIE RIVER</u> Applicant/Owner: <u>MAURIE RIVER LLC</u> Investigator: <u>(Signature)</u>	Date: <u>5/11/06</u> County: <u>Ontario</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>WTG 153A</u> Plot ID: <u>552</u>

**VEGETATION** Upland Decid Forest

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>80%</u>	Shrub: <u>40%</u>	Herb: <u>40%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sm. White Willow	H	FAC	9. <u>ms arda</u>	S/H	FAC
2. <u>Tree Lily</u>	H	UPL	10. <u>Sugar maple</u>	S/H	FACU-
3. <u>man blue</u>	H	FAC-	11. <u>Gray birch</u>	T	FAC
4. <u>Tree-Like - Herb man</u>	H	FACU	12. <u>Wood fern</u>	H	-
5. <u>Small herb</u>	S/H	FAC	13. <u>Clm moss</u>	H	-
6. <u>RED maple</u>	T/S/H	FAC	14.		
7. <u>Wooded weed aster</u>	H	UPL	15.		
8. <u>Striped maple</u>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>8/15</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	

Date:

Community ID:

Plot ID:

3/11/06

Uplands

WTG158A-552

**SOILS**

Map Unit Name  
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
Confirm Mapped Type? Yes No

**Profile Description:**

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	5YR 3/3	—	—	LOAM

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes No  
 Wetlands Hydrology Present? Yes No  
 Hydric Soils Present? Yes No

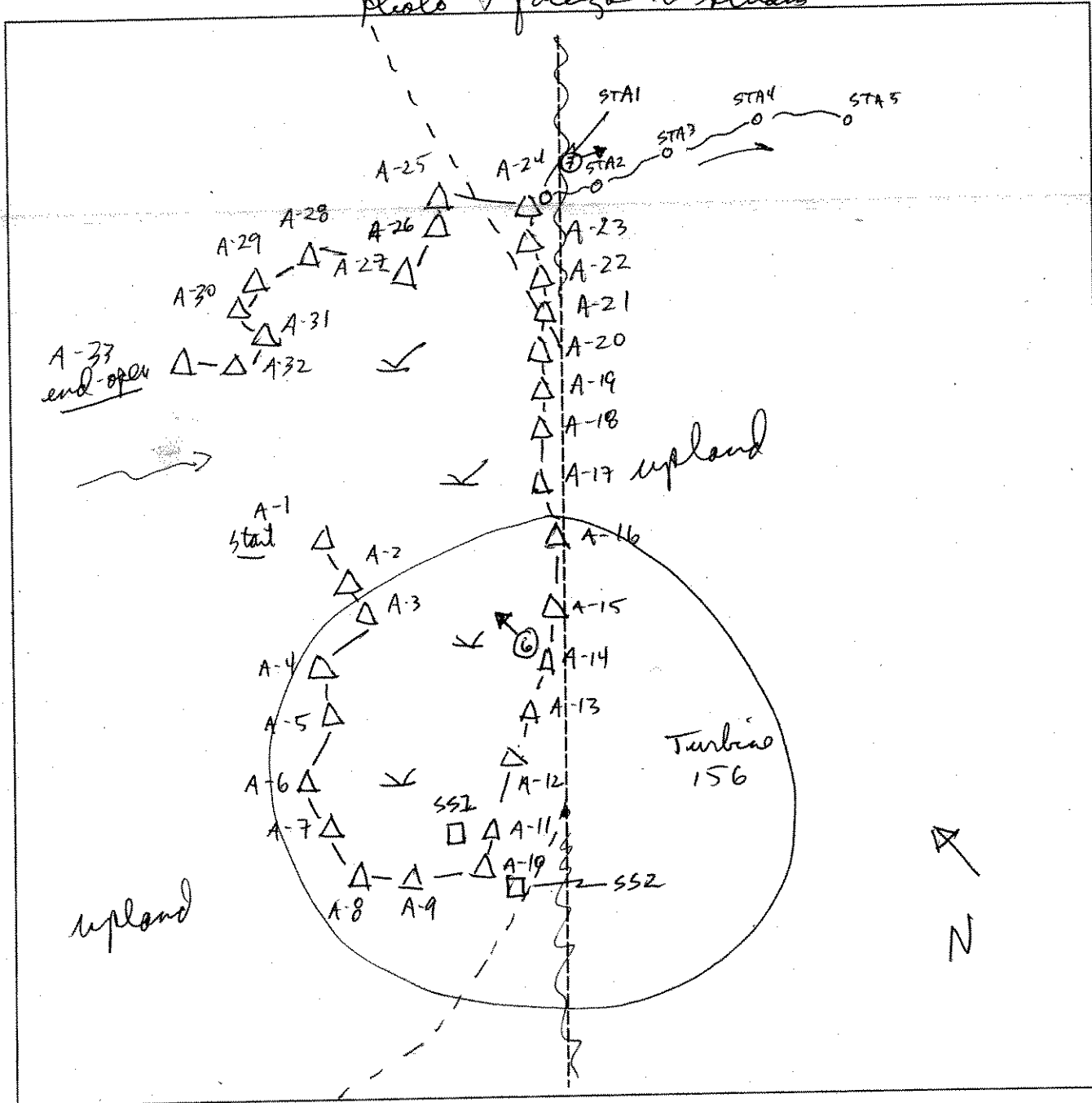
Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: WT6-156A	Date: 5/11/06	Time: 5:55p.
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: photo 6 facing N to wetland; photo 7 facing photo 7 facing E to stream	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-12-06</u> County: <u>Clinton</u> State: _____
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: _____ Plot ID: <u>WTG-150A/C-SS1</u>

**VEGETATION**

Plant Community Classification: <u>Poplar Forest PFO1</u>					
Percent Canopy Cover:		Tree: <u>60</u>	Shrub: <u>40</u>	Herb: <u>25</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Moss sp</u>	<u>H</u>	<u>-</u>
2. <u>Corn Birch</u>	<u>T</u>	<u>FAC</u>	10. _____		
3. <u>Red Rubrum</u>	<u>S</u>	<u>FAC</u>	11. _____		
4. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	12. _____		
5. <u>American Beech</u>	<u>S</u>	<u>FACU</u>	13. _____		
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	14. _____		
7. <u>Golden Rod sp</u>	<u>H</u>	<u>-</u>	15. _____		
8. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	16. _____		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>* presumed obligate</u>					

**HYDROLOGY**

Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>2 in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-12-00  
 Community ID: Wetland  
 Plot ID: WTG-1568/ESS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A				Organics/leaves
4-6	A <sub>1</sub>	10YR-3/1			Sandy silt
6-12	A <sub>2</sub>	2.5Y-3/2	10YR-3/6	Common/Coarse/Faint	silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:     — soils disturbed, wetland is in what was from logging practices. — refusal of auger 12 inches					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks     pix #1 looks E @ SSI			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind power LLC</u> Investigator: <u>RH JV</u>	Date: <u>5-12-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WTG-156BE552</u>

**VEGETATION**

Plant Community Classification: <u>Poplar Forest</u>					
Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>50%</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Bramble sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Golden Rod sp</u>	<u>H</u>	<u>FAC-</u>	12.		
5. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>					
Remarks: <u>Area logged in past, disturbed area</u>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <u>N/A</u>  Depth to Free Standing Water in Pit (in.): <u>N/A</u>  Depth to Saturated Soil (in.): <u>N/A</u>	
Remarks:	



Date: 5-12-06  
 Community ID: Upland  
 Plot ID: WTG 1564K-SS2

**SOILS**

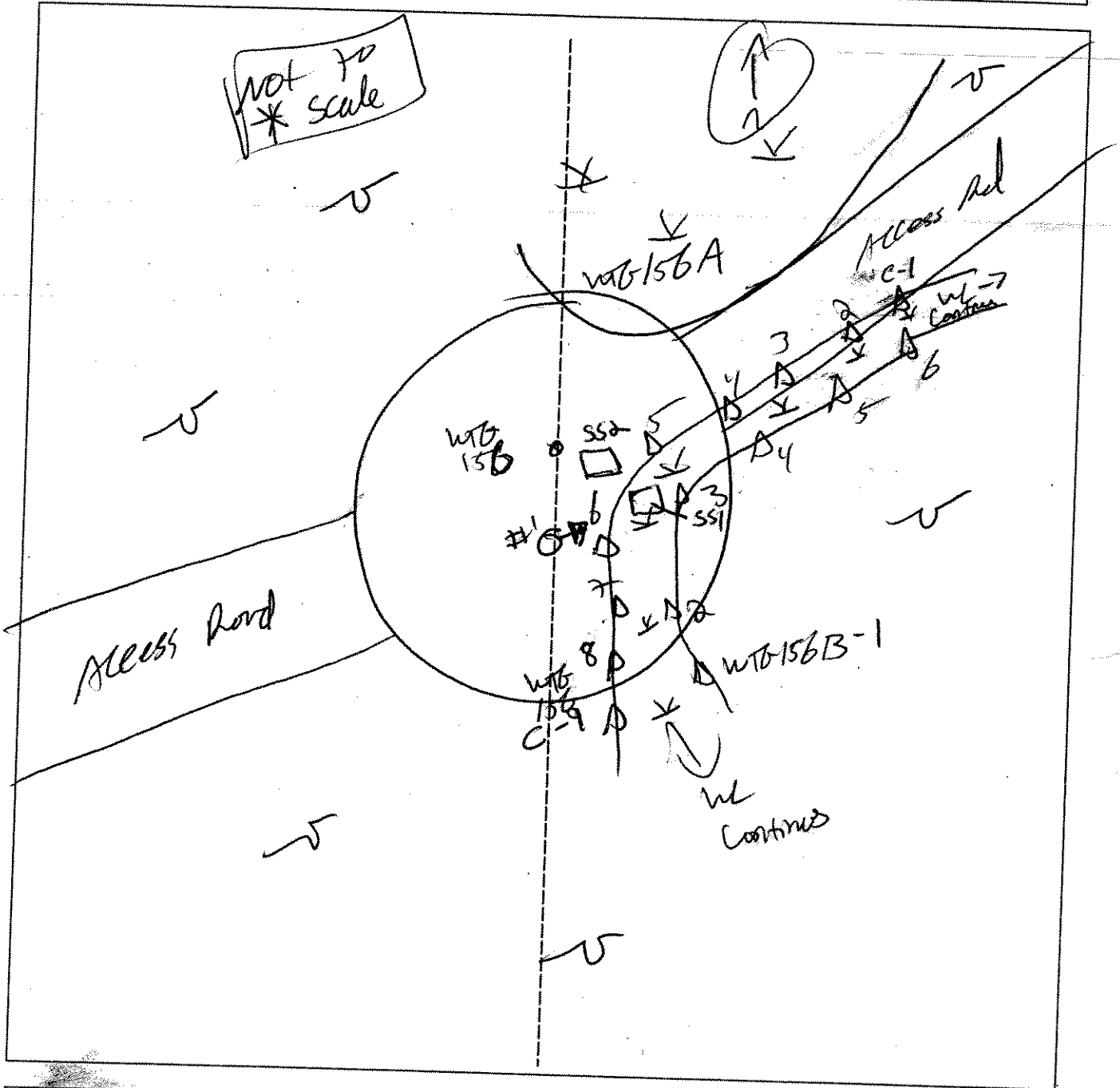
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR-3/4			Root/peduncles/roots
0-5	A	10YR-2/1			clay loam
5-6	B	7.5YR-4/2			silty sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: - Refusal of auger 6 mds					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: area logged in recent past - disturbed area		

SKETCH FORM

Wetland ID/Route #: WTB 156 B/C	Date: 5/12/06	Time:
Initials of Delineators: KH, JV	Location: WTB 156	
Roll #: KH	Frames: 1 - looks E	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJL</i>	Date: <i>7-13-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>wet cow pasture</i> Transect ID: <i>Pasture</i> Plot ID: <i>WTG 161A - # - 551</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>5</i> Herb: <i>100</i> % Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Spartina patens</i>	H	OBL	9.		
2. <i>Juncus roemerianus</i>	H	FACW	10.		
3. Tall <i>Betula</i> sp.	H	FAC+	11.		
4. <i>Agrostis alba</i>	H	FACW	12.		
5. <i>Meadowgrass (S. latifolia)</i>	SL	FAC+	13.		
6. <i>Heads grass (S. torreyana)</i>	SH	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>veg disturbed due to cows but sufficient for determination along with clear topo</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-13-06  
 Community ID: W61  
 Plot ID:  
 WYG 161A-551

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	2.5Y 2.5/1	7.5YR 3/4	2%	loam
10-16	B <sub>1</sub>	2.5Y 5/2	7.5YR 4/4	25%	loamy sand

**Hydro Soil Indicators**

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

**Remarks:**

extremely stony/bouldery

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

**Remarks**

pic #1 → NE

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7-13-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Cow Pasture
	Community ID: upland Transect ID: Plot ID: WTG 161A-A-552

**VEGETATION**

Plant Community Classification:  
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Timothy	H	FACW	9.		
2. Tall Fescue	H	FAC+	10.		
3. Agrostis alba	H	FACW	11.		
4. Spine & lateralia	SL	FAC+	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 50%

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.): low  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-13-06  
 Community ID: upland  
 Plot ID:

WTG 161A - 1-552

**SOILS**

Map Unit Name  
 (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A <sub>7</sub>	10YR 3/2	none		

**Hydro Soil Indicators**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

**Remarks:**

- extremely stony/boulders @ 10"  
 - no redox or oxidized in Ap

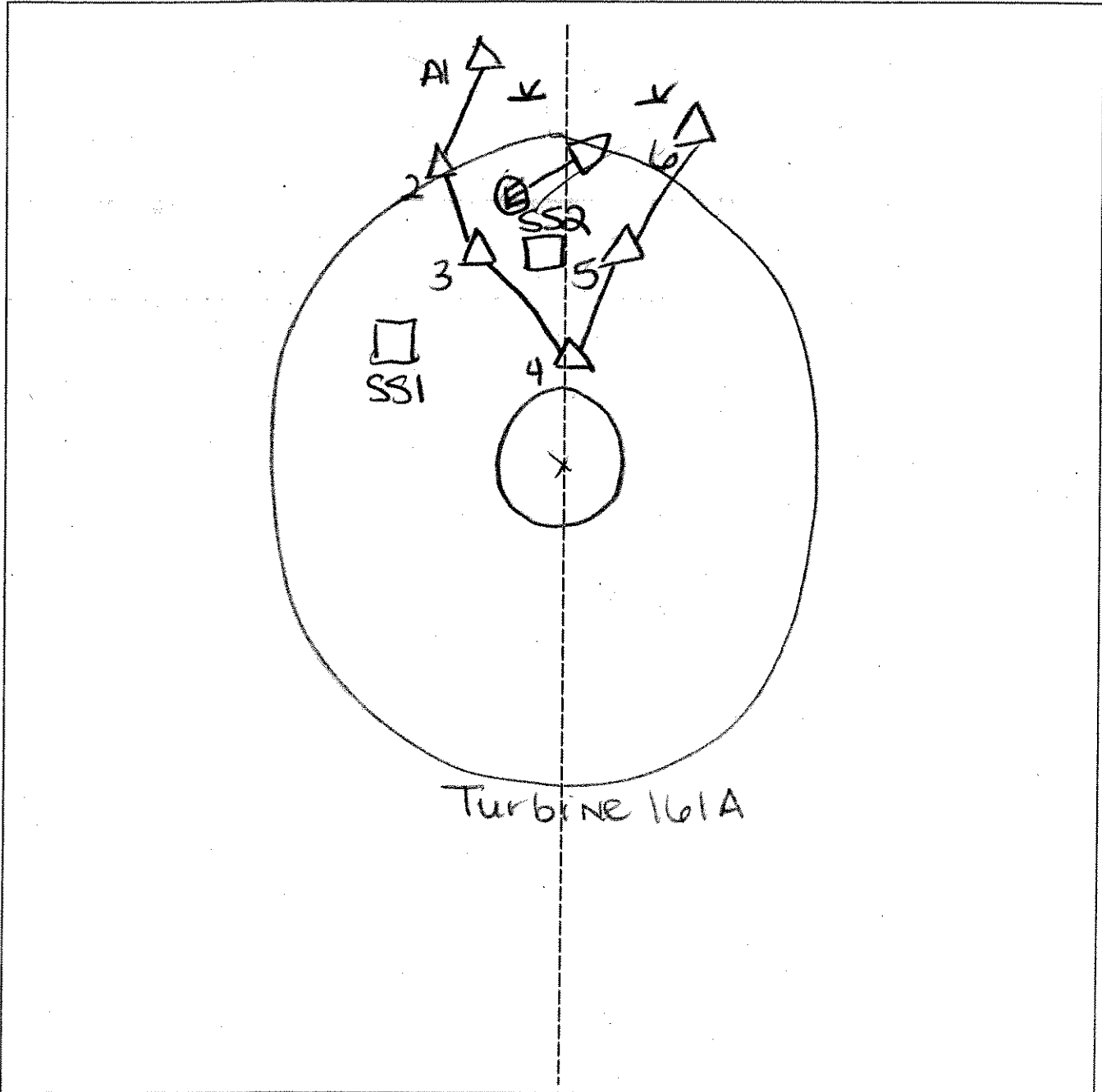
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

**Remarks**

SKETCH FORM

Wetland ID/Route #: WTG 161A	Date: 7-13-06	Time:
Initials of Delineators: BQ	Location: Turbine 161A	
Roll #:	Frames: photo facing East	



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>KH, JV</i>	Date: <i>7/27/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>MB173D-SS1</i>

**VEGETATION**

Plant Community Classification: <i>PDF1</i>					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>50</i> Herb: <i>90</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Red Maple</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Big tooth Aspen</i>	<i>S</i>	<i>FACU-</i>	12.		
5. <i>Carex sp</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Red Maple</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Shining Club Moss</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>Silka Dogwood</i>	<i>H</i>	<i>FACW</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/7 71%</i>					
Remarks: <i>Disturbed Area due to logging - Area has wheel ruts, mounded dirt throughout - Forest logged in somewhat recent past - cat tail - Funus Effusus - Bull Nsh in nearby area.</i>					

**HYDROLOGY**

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <i>—</i>  Depth to Free Standing Water in Pit (in.): <i>—</i>  Depth to Saturated Soil (in.): <i>3</i>	
Remarks: <i>pit #1 N @ SS1</i>	



Date: 7/27/06  
 Community ID: wetland  
 Plot ID: WTB173D-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	7.5YR-2.5/1			Silt loam
3-6	B	2.5Y-5/2	10YR-5/8	Common/Med/Distinct	Fine sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Refusal of auger 6"</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: <i>wetland plants mostly concentrated in old logging road. No soil pulls possible in those areas. SSI taken from area on wetland edge.</i>			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BH, JV</i>	Date: <i>7/27/06</i> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <i>upland</i> Transect ID: Plot ID: <i>WTG/73D-552</i>			

**VEGETATION**

Plant Community Classification: <i>Beech Maple Forest</i>					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>40</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>American Beech</i>	<i>T</i>	<i>FACW</i>	10.		
3. <i>American Beech</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Big Tooth Aspen</i>	<i>S</i>	<i>FACW-</i>	12.		
5. <i>Canada Mayflower</i>	<i>H</i>	<i>FAC</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>1/5 20%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): _____ Depth to Free Standing Water in Pit (in.): _____ Depth to Saturated Soil (in.): _____	
Remarks:	

Date: 7/17/06  
 Community ID: *aplond*  
 Plot ID: *WB-173D-552*

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR-2/1			<i>Fine sandy loam</i>
6-12	B	7.5YR-3/2			<i>Fine sandy loam / some gravel</i>

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

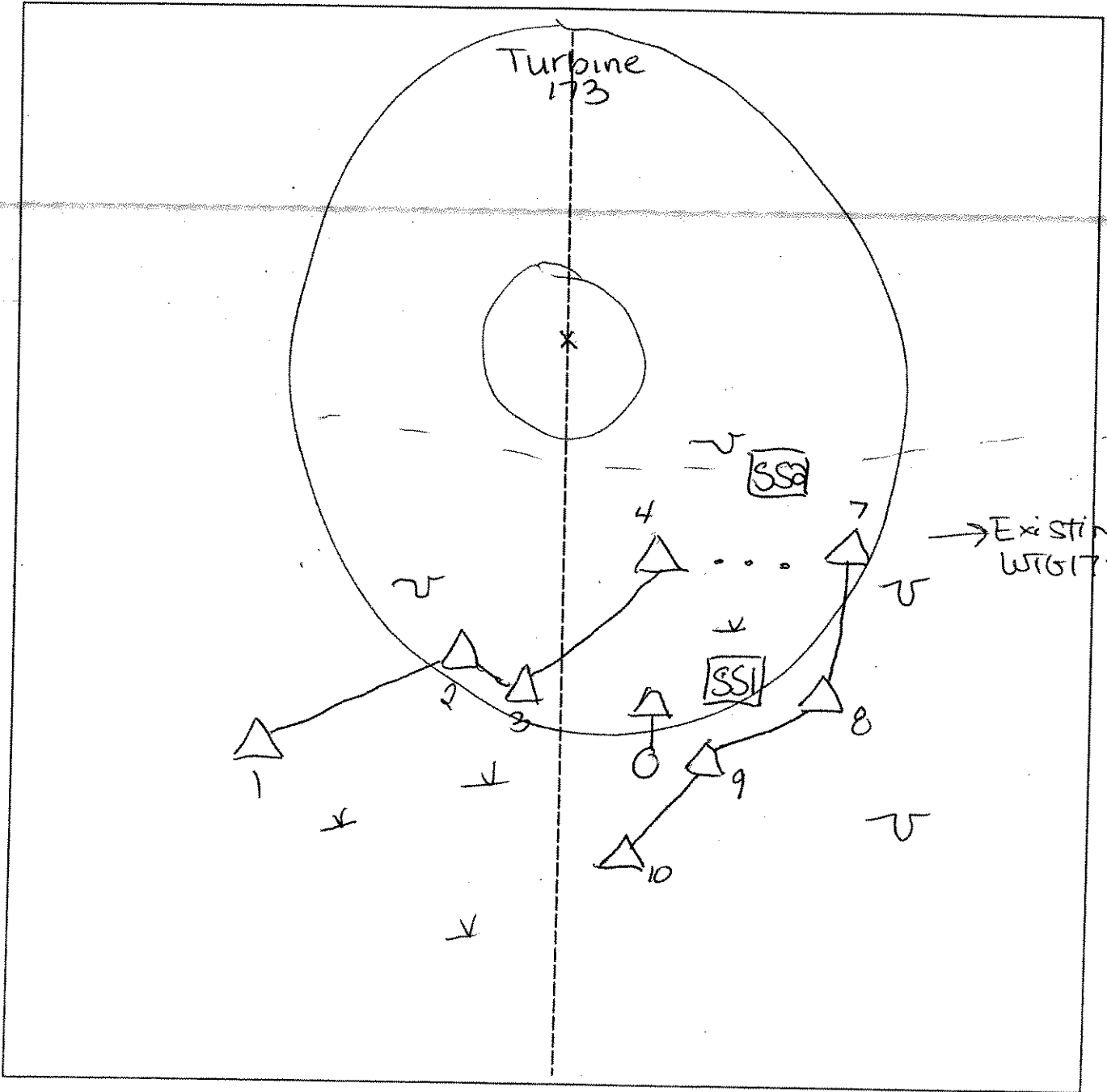
Remarks: *- refusal auger at 12"*  
*- some gravel (pebbles) pick up in B layer*

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

**SKETCH FORM**

Wetland ID/Route #: <b>WTG 173D</b>	Date: <b>7-27-06</b>	Time:
Initials of Delineators: <b>KH</b>	Location: <b>AR/IC to turbine 173</b>	
Roll #:	Frames:	



<u>Legend</u>				
	Photo Location/Direction		Wetland	 N
	Sample Station		Upland	
	Centerline		Stream	
	Flag		Intermittent Stream	

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-26-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>WTG 175A 551</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>30</u> Shrub: <u>75</u> Herb: <u>80</u> Vine: <u>10</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9. <u>Carex vulpinoidea</u>	<u>OBL</u>	
2. <u>American Elm (dead)</u>	<u>T</u>		10. <u>...</u>		
3. <u>Alnus rugosa</u>	<u>SH</u>	<u>FACW+</u>	11. <u>...</u>		
4. <u>Raspberries (R. idaeus)</u>	<u>SH</u>	<u>FAC</u>	12. <u>...</u>		
5. <u>blackberry (R. allegheniensis)</u>	<u>SH</u>	<u>FACW</u>	13. <u>...</u>		
6. <u>tar oaks (P. sagittifolium)</u>	<input checked="" type="checkbox"/>	<u>OBL</u>	14. <u>...</u>		
7. <u>virginiana</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	15. <u>...</u>		
8. <u>Sens. (Sens.)</u>		<u>FACW</u>	16. <u>...</u>		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>75%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>3"</u>	
Remarks:	

Date: 7-26-06  
 Community ID:  
 Plot ID:  
 WTC 175 A 521

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	AP	2.5YR 2.5/1	10YR 5/4	5%	SANDY LOAM
15-20	BW	2.5YR 5/2	10YR 4/6	> 10%	MEDIUM SAND

**Hydro Soil Indicators**

- |   |   |
|---|---|
| <input type="checkbox"/> Histosol                               | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon                        | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor                          | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime                  | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions                    | <input type="checkbox"/> Listed on National Hydric Soils List               |
| <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                         |

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>WTG 175-A-552</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>25</u> Herb: <u>25</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Baldwinia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Setaria</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Hop hornbeam</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Baldwinia</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>Wood Fern (D. spinulosa)</u>	<u>H</u>	<u>FAC+</u>	13.		
6. <u>Raspberry</u>	<u>SH</u>	<u>FAC-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>67%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>None observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	none
Remarks:	

Date: 7-26-06  
 Community ID: upland  
 Plot ID:

WT 6175 - A 587

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):

Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/1	—	low	Sandy loam
10-15+	Bw	10YR 4/4	—	low	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

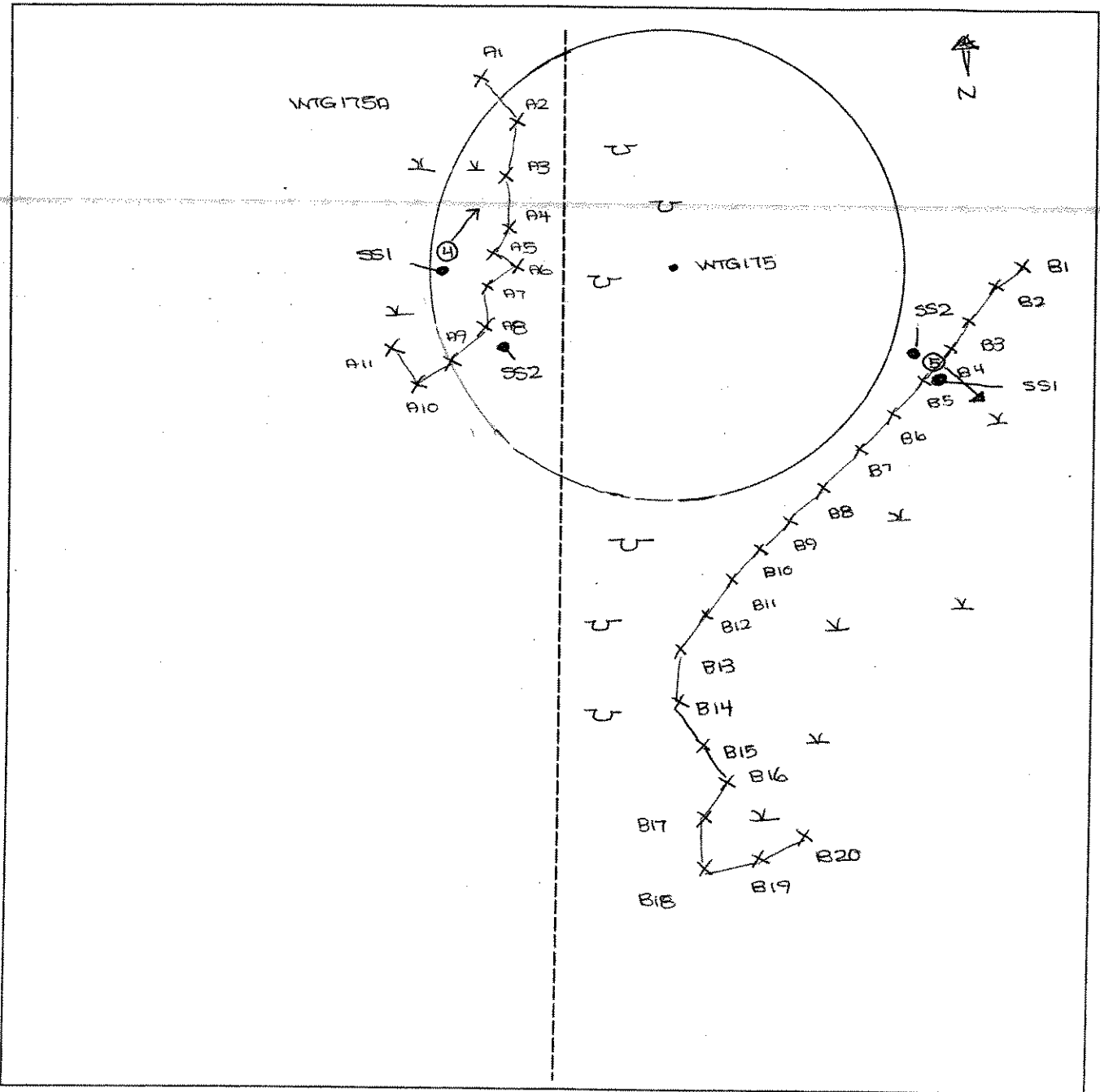
Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks



### SKETCH FORM

<b>Wetland ID/Route #:</b> WCG175 A AND B	<b>Date:</b> 7/26/06 <b>Time:</b>
<b>Initials of Delineators:</b> BQ / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO 4 FACING NORTHEAST PHOTO 5 FACING SOUTHEAST	

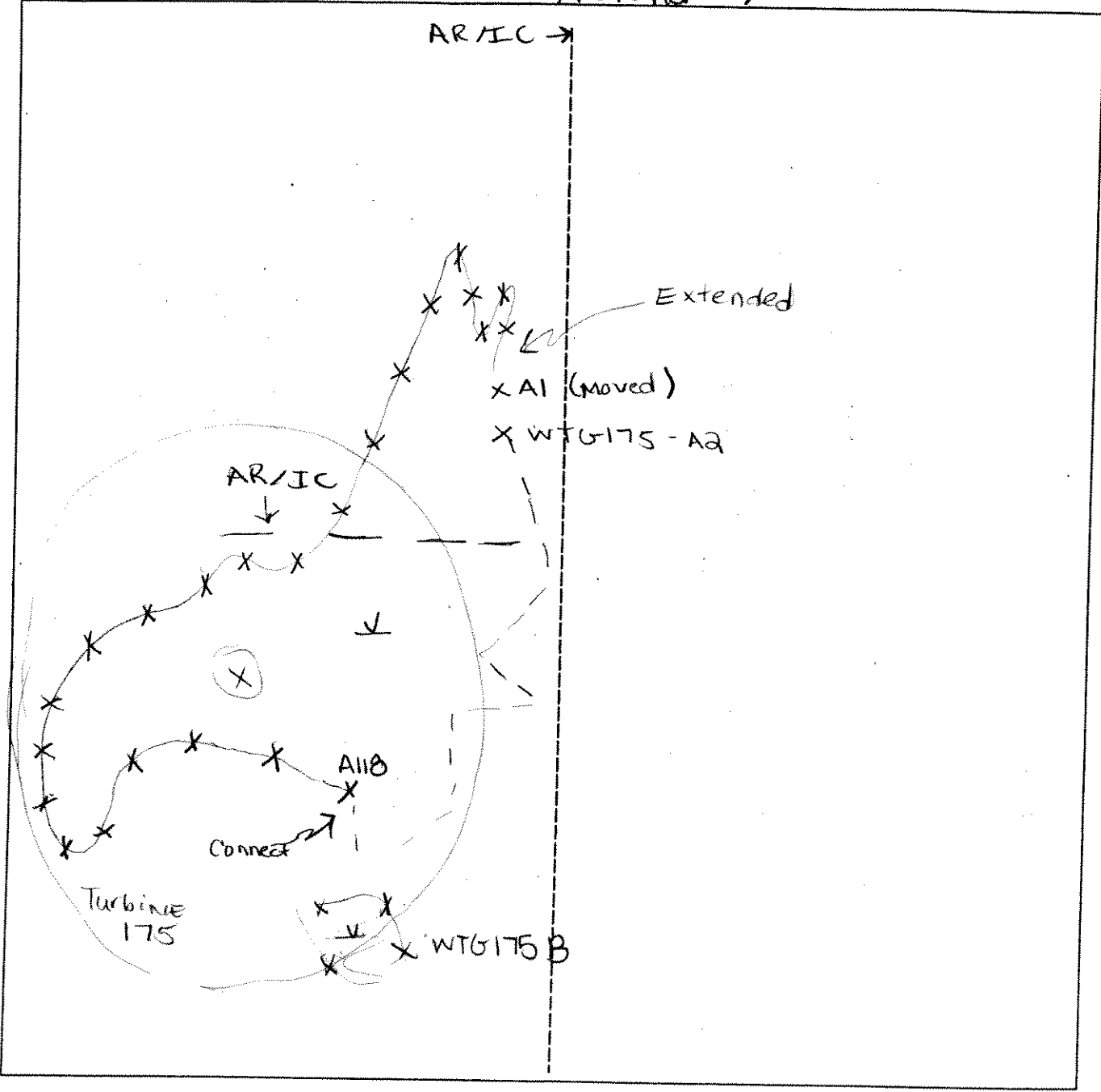


<u>Legend</u>	
○ ↗	Photo Location/Direction
□	Sample Station
---	Centerline
▽	Flag
X	Wetland
U	Upland
———	Stream
- - -	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: WTG-175 A/B	Date: 9/7/06	Time:
Intials of Delineators: IB, JV	Location: Turbine 175 + AR from Liberty Pole Rd.	
Roll #:	Frames:	

← Liberty Pole Rd →



Legend			
	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream
			N

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>7-26-06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: <i>wetland</i> Transect ID: Plot ID: <i>WTG 175-B-551</i>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>40</i> Herb: <i>60</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Yellow birch</i>	T	FAC	9.		
2. <i>Balsam Poplar</i>	T	FAC	10.		
3. <i>Interlocked fern</i>	H	FAC	11.		
4. <i>Ostrich fern</i>	H	FACW	12.		
5. <i>Sensitive fern</i>	H	FACW	13.		
6. <i>Carex intyrescens</i>	H	FACW	14.		
7. <i>Speckled alder</i>	SH	FACW	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <span style="float: right;"><i>100%</i></span>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>surface</i>	Remarks:

Date: 7-26-06  
 Community ID: Wetland  
 Plot ID: WTG 175-13-851

**SOILS**

Map Unit Name  
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations  
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-20	0e	10YR 2/1			

**Hydro Soil Indicators**

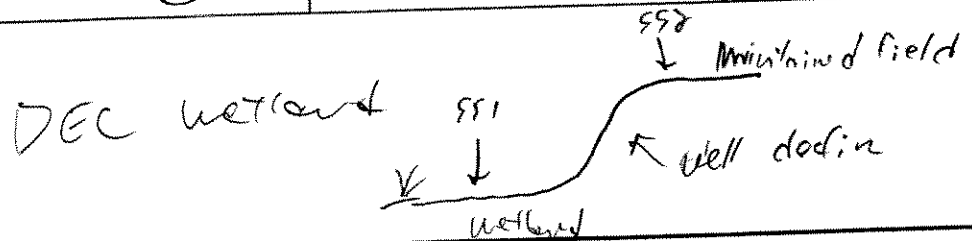
- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetlands Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sample Station Point Within a Wetland?  Yes  No

Remarks



**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> <del>No</del> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> <del>No</del> Is the area a potential Problem Area? <u>Yes</u> <del>No</del> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>WTG 175 B 882</u>

**VEGETATION**

Plant Community Classification:						
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>0</u>	Herb: <u>100</u>	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. dandelion	H	FACU	9.			
2. PK grass	H	-	10.			
3. V. <del>sp.</del>	H	FACU-	11.			
4. plantain	H	FACU	12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>						
Remarks: <u>Maintained field</u>						

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks:

Date: 7-26-06  
 Community ID: Upland  
 Plot ID: MTG 175-B-550

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	Ap	10YR 3/2	—	None	Sandy loam
12-16+	Bw	10YR 4/4	—	None	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
<p style="text-align:center;">SSI                      SSR           ↓ Field           Clear topo boundary</p>			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BL</i>	Date: <i>7-28-06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>WT6-201-4551</i>							

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>60</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Sensitive fern</i>	H	FACW
2. <i>Betula populifolia</i>	T	FAC	10. <i>Carex crinita</i>	H	OBL
3. <i>Isoetes</i>	SH	FAC	11. <i>Juncus</i>	H	FACW
4. <i>Betula populifolia</i>	SH	FAC	12.		
5. <i>Viburnum coccineum</i>	SH	FACW	13.		
6. <i>Glyceria canadensis</i>	H	OBL	14.		
7. <i>Glyceria maxima</i>	H	OBL	15.		
8. <i>Juncus</i>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>91%</i>					
Remarks:					

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
Field Observations:  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <i>surface</i>	
Remarks:	





**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BC</i>	Date: <i>7-28-06</i> County: Clinton State: NY				
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> <tr> <td style="text-align: center;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> <td style="text-align: center;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No				
<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No				
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 201-1-552</i>					

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>20</i> Herb: <i>90</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Clover ( <i>T. repens</i> )	H	FACU	9.		
2. Thistle ( <i>C. vulgare</i> )	H	FACU	10.		
3. Timothy	H	FACU	11.		
4. Willow sp (Mowed)	SH	assumed	12.		
5. Galium nudig	H	NI	13.		
6. Tall bedstraw	H	FAC+	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>55%</i>					
Remarks: <i>- maintained field</i> <i>* Mowed shrubs - low</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <i>None</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>None</i> Depth of Surface Water (in.): <i>observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-28-06  
 Community ID: Upland  
 Plot ID:

WTG 201-A-598

**SOILS**

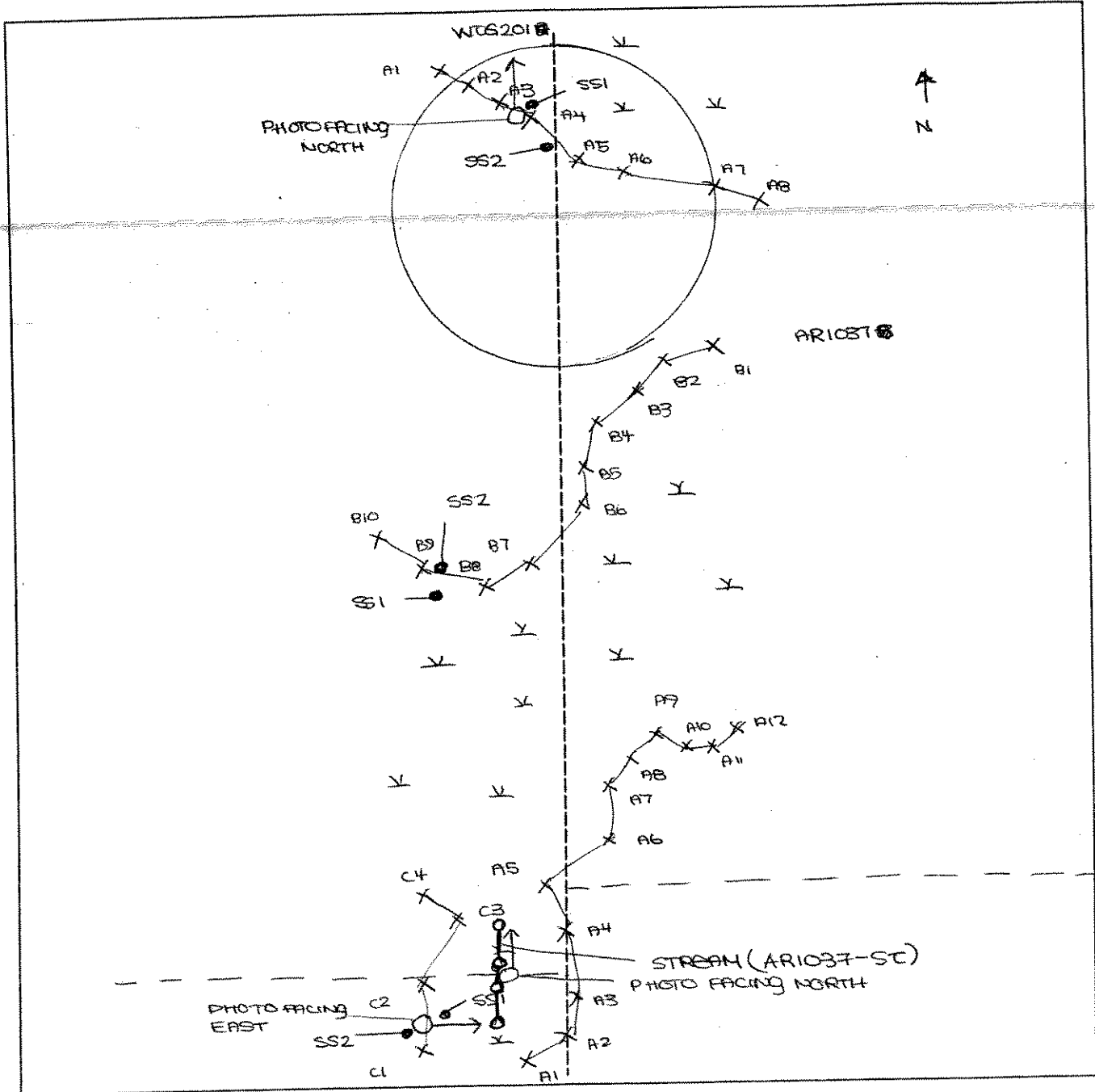
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	AP	10 YR 3/2	—	—	Sandy loam
15-17	BW	10 YR 4/4	—	—	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: STONY BELOW 17 INCHES					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

### SKETCH FORM

<b>Wetland ID/Route #:</b> WGS 201-A AR1037-A/B/C	<b>Date:</b> 7/28/06	<b>Time:</b>
<b>Initials of Delineators:</b> BS / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b> <b>Frames:</b>		



<u>Legend</u>	
○▼	Photo Location/Direction
□	Sample Station
- - -	Centerline
▷	Flag
∇	Wetland
∪	Upland
—	Stream
- - -	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7/28/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;">Yes <input checked="" type="radio"/></span> <span style="margin-left: 20px;">No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="margin-left: 100px;">Yes <input type="radio"/></span> <span style="margin-left: 20px;">No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>WTG 205A-A 5/1</u>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>30</u>	Shrub: <u>60</u>	Herb: <u>75</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray birch</u>	<u>T</u>	<u>FAC</u>	9. <u>Virginia's bower</u>	<u>✓</u>	<u>FAC</u>
2. <u>Red maple</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Spaced alder</u>	<u>SH</u>	<u>FACW</u>	11.		
4. <u>Raspberries</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Jewelweed</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Solidago nemoralis</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Sweetgum</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>Carex diandra</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>89%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.): <u>3" surface</u>	
Remarks:	

Date: 7-28-06  
 Community ID: wetland  
 Plot ID:  
 WT6 202A-A-551

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:				
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No				
Profile Description:						
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.	
10-15	Ap	7.5Y 2.5/1	7.5YR 3/3	2%	Sandy loam	
	Bw	2.5Y	10YR 4/6	75%	Sandy loam	
Hydro Soil Indicators						
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:						

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BA</i>	Date: <i>7-28-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>WTG 200A-A-552</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>60</i>	Shrub: <i>25</i>	Herb: <i>35</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Prunus serotina</i>	<i>I</i>	<i>FACU</i>	9.		
2. <i>Betula populifolia</i>	<i>I</i>	<i>FAC</i>	10.		
3. <i>Raspberries</i>	<i>SH</i>	<i>FAC</i>	11.		
4. <i>Late goldenrod</i>	<i>H</i>	<i>FACW</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <i>low</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.): <i>None observed</i>  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-28-06  
 Community ID: Upland  
 Plot ID:

WTG 205A-A-552

**SOILS**

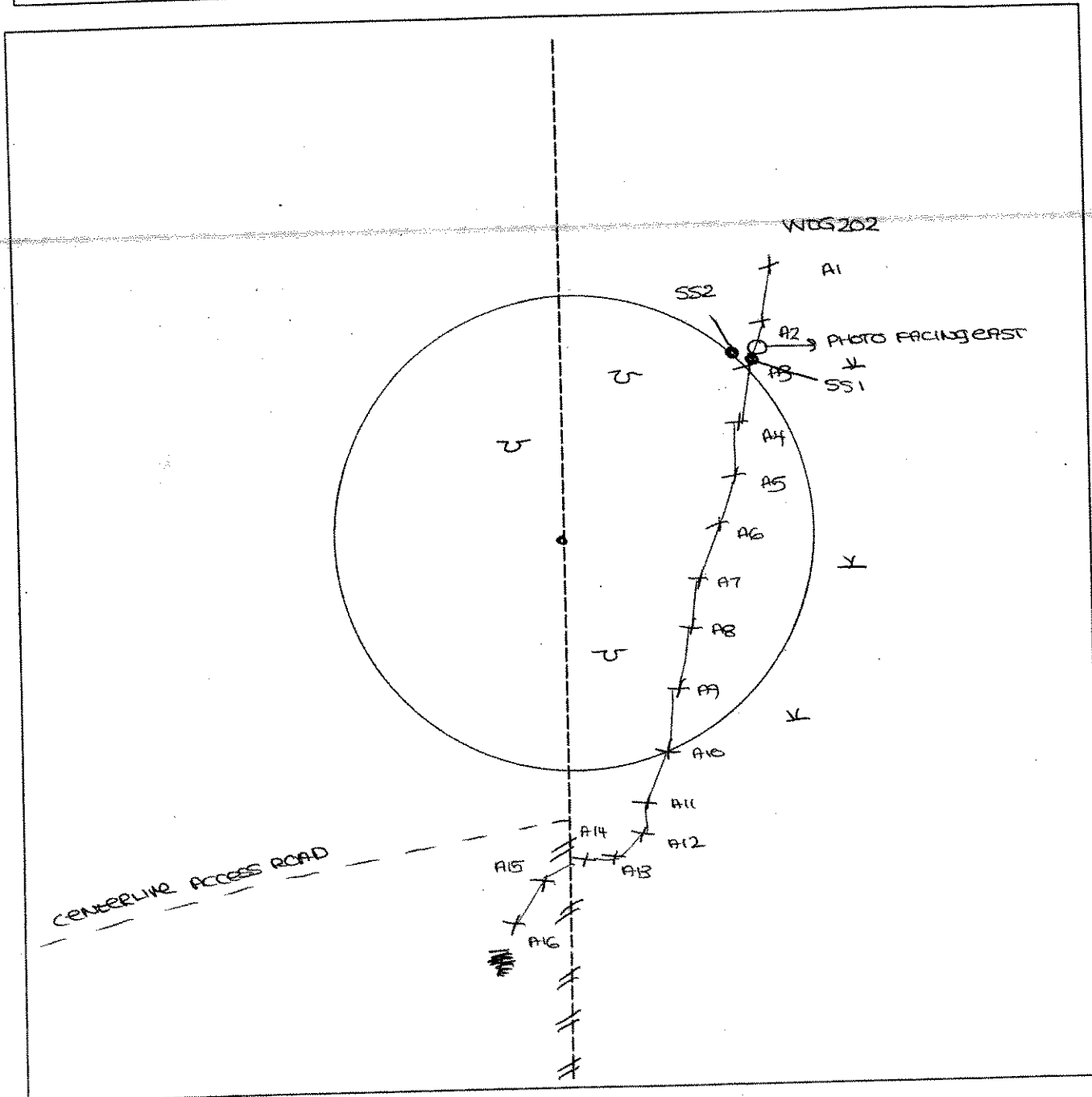
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10 YR 3/2	None	—	Sandy loam
4-8	B <sub>1</sub>	10 YR 4/4	None	—	Sandy loam
8-15+	B <sub>2</sub>	10 YR 4/6	None	—	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Remarks			

**SKETCH FORM**

Wetland ID/Route #: WCG202A	Date: 7/28/06	Time:
Initials of Delineators: BG / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>TRN, SC</u>	Date: <u>7/12/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input type="radio"/></span> (If needed, explain on reverse.)	Community ID: <u>WETLANDS</u> Transect ID: <u>WTG204A1B</u> Plot ID: <u>SS1</u>

**VEGETATION**

Disturbed Lowland Area

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>20%</u>	Shrub: <u>5%</u>	Herb: <u>50%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Intolerant Tree</u>	<u>H</u>	<u>FAC</u>			9.
2. <u>Sprig moss</u>	<u>H</u>	<u>OBL*</u>			10.
3. <u>Moss sp</u>	<u>H</u>	<u>—</u>			11.
4. <u>Moss Intermix</u>	<u>H</u>	<u>FACW+</u>			12.
5. <u>Intolerant Tree</u>	<u>TLS</u>	<u>FAC</u>			13.
6. <u>Red maple</u>	<u>T</u>	<u>FAC</u>			14.
7. <u>Small Berry</u>	<u>S</u>	<u>FAC</u>			15.
8. <u>Darkwood sp</u>	<u>S</u>	<u>—</u>			16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <u>4" in places</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 7/12/06  
 Community ID: WBRAND  
 Plot ID:

WB204 A/B-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4 4-15	A	10YR 2/1	-	-	DEPT Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input checked="" type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	
Remarks		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BWS SC</i>	Date: <i>7/12/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right">Yes <input type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: <i>upland.</i> Transect ID: Plot ID: <i>WTB-204A/17-SS2</i>

**VEGETATION**

*Disturbed Landed Area*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>20%</i>	Shrub: <i>5%</i>	Herb: <i>5%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TRIK CHERRY</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>RAISAM FIR</i>	<i>TISH</i>	<i>FAC</i>	10.		
3. <i>TRAINED PORN</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>PARADISE LILLY</i>	<i>H</i>	<i>FAC</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks:

**HYDROLOGY**

- Recorded Data (Describe in Remarks):
- Stream, Lake, or Tide Gauge
  - Aerial Photographs
  - Other
  - No Recorded Data Available

Wetland Hydrology Indicators:

Primary Indicators:

- Inundated
- Saturated
- Water Marks
- Drift lines
- Sediment Deposits

Secondary Indicators (2 or more required):

- Oxidized Root Channels in Upper 12 inches
- Water-Stained Leaves
- Local Soil survey Data
- FAC-Neutral Test
- Other (Explain in Remarks)

Field Observations:

Depth of Surface Water (in.): *N/A*  
 Depth to Free Standing Water in Pit (in.): *N/A*  
 Depth to Saturated Soil (in.): *N/A*

Remarks:

Date: 7/12/06  
 Community ID: upland  
 Plot ID:

WTB204A1B-SS2

**SOILS**

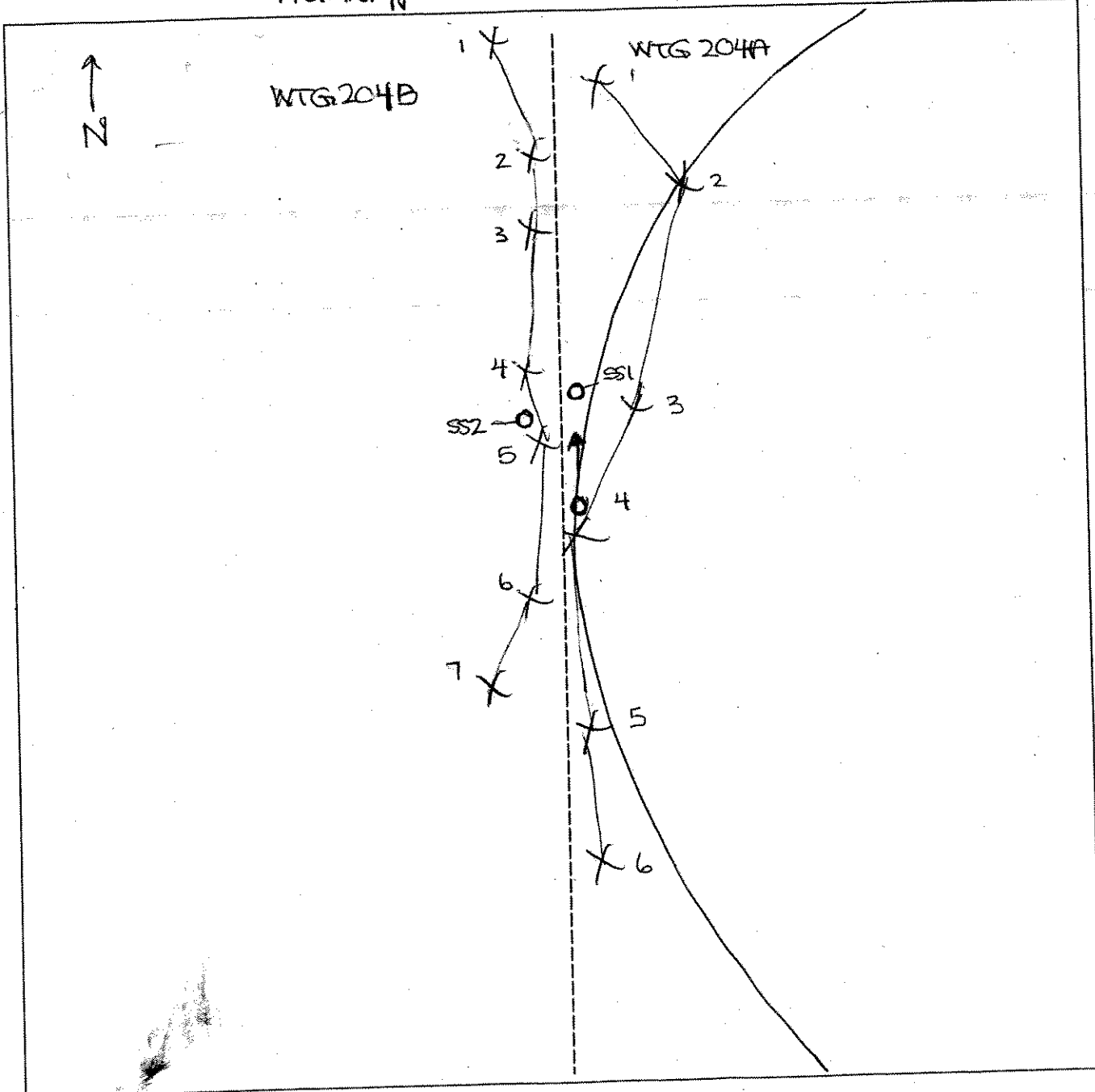
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1	—	—	ORGANIC + silty loam
2-9	B <sub>1</sub>	5YR 4/4	—	—	Silty clay
9-18	B <sub>2</sub>	7.5YR 4/3	—	—	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			

SKETCH FORM

Wetland ID/Route #: WTG204A/B	Date: 7/12/06	Time:
Initials of Delineators: RD / SC	Location: HARBLE RIVER	
Roll #:	Frames: PHOTO 6 FACING N	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RO JV	Date: 10/25/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO4 Transect ID: Plot ID: WT6208-R-A-551

**VEGETATION**

Plant Community Classification: PFO4  
Percent Canopy Cover: Tree: 40 Shrub: 30 Herb: 85 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. balsamiae</i>	T	FAC	9.		
2. <i>A. balsamiae</i>	S	FAC	10.		
3. <i>Sphagnum</i>	H	OBL	11.		
→ 4. <i>Lyopodium</i>	H	—	12.		
5. <i>Juncus uniflorus</i>	H	OBL	13.		
6. <i>Carex lurida</i>	H	OBL	14.		
7. <i>Carex</i> ♂	H	—	15.		
8. <i>Equisetum</i>	H	OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks: Observed *Ulmus americana* + *A. rubrum* as sub-dom spp

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:  <input checked="" type="checkbox"/> Inundated in blowdowns  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits  <input checked="" type="checkbox"/> Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): 3"          Depth to Free Standing Water in Pit (in.): 0"          Depth to Saturated Soil (in.): 0"</p>	
<p>Remarks: Hydro to NW of sample station</p>	

Date: 10/26/06  
 Community ID:  
 Plot ID: WTG 208-R-A-SS1

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/2			
10-18	B	10YR 5/1	5YR 4/6	Com med/dist	Sandy loam Sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: Area has some upl inclusions but delineation follows wetland drainage patterns			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>10/26/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="margin-left: 100px;"><input checked="" type="radio"/> Yes</span> <span style="margin-left: 20px;"><input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="margin-left: 100px;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>Forest</u> Transect ID: Plot ID: <u>WTO200-PA-552</u>

**VEGETATION**

Plant Community Classification: Coniferous Forest  
 Percent Canopy Cover: Tree: 90 Shrub: 25 Herb: 10 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. balsamiae</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. balsamiae</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Unk moss</u>	<u>H</u>	<u>—</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%

Remarks:

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: <u>NONE</u></p> <p>Primary Indicators:          ___ Inundated          ___ Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):          ___ Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
Field Observations: <u>NONE</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	



Date: 10/26/06  
 Community ID: Upland  
 Plot ID: W76208-R-A-SSR

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 5/1			
4-14	B	10YR 5/2			Silt loam Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal of auger @ 14"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks: Observed Red Squirrel in canopy. Visual observation white on tree trunk.		

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>10/26/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float:right"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <u>PFO4</u> Transect ID: Plot ID: <u>WTB308-RA-SS3</u>

**VEGETATION**

Plant Community Classification: <u>PFO4</u>		Shrub: <u>15</u>	Herb: <u>75</u>	Vine: <u>0</u>	
Percent Canopy Cover: Tree: <u>90</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. balsamiae</u>	<u>T</u>	<u>FAC</u>			9.
2. <u>A. balsamiae</u>	<u>S</u>	<u>FAC</u>			10.
3. <u>Sphagnum sp.</u>	<u>H</u>	<u>=</u>			11.
4. <u>Marec sp.</u>	<u>H</u>	<u>=</u>			12.
5. <u>Lycopodium sp.</u>	<u>H</u>				13.
6.					14.
7.					15.
8.					16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations:  Depth of Surface Water (in.): <u>3"</u>  Depth to Free Standing Water in Pit (in.): <u>0"</u>  Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 10/26/06  
 Community ID: PFO4  
 Plot ID: WTS 208-R-A-553

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 4/1			
4-8	B <sub>1</sub>	10YR 5/2	10YR 4/6	Few/Med/Drom	Silty clay
8-18	B <sub>a</sub>	10YR 5/2	10YR 4/6	Common med/dist.	Silty clay
		10YR 5/3			clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: => SW			

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <span style="margin-left: 100px;">RD JV</span>	Date: 10/26/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: WT0208-R-A-554

**VEGETATION**

Plant Community Classification: <i>Coniferous Forest</i>					
Percent Canopy Cover:		Tree: <i>85</i>	Shrub: <i>15</i>	Herb: <i>5</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. balsamiae</i>	T	FAC	9.		
2. <i>A. rubrum</i>	T	FAC	10.		
3. <i>A. balsamiae</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>Cinn. Arundinaceae</i>	H	FACW	13.		
6. <i>W. Woodwardia</i>	H	—	14.		
7. <i>Moss sp.</i>	H	—	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>B. pop. Sub dom</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <i>None</i>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/26/06  
 Community ID: upland  
 Plot ID: WT6008-R-A-SS4

**SOILS**

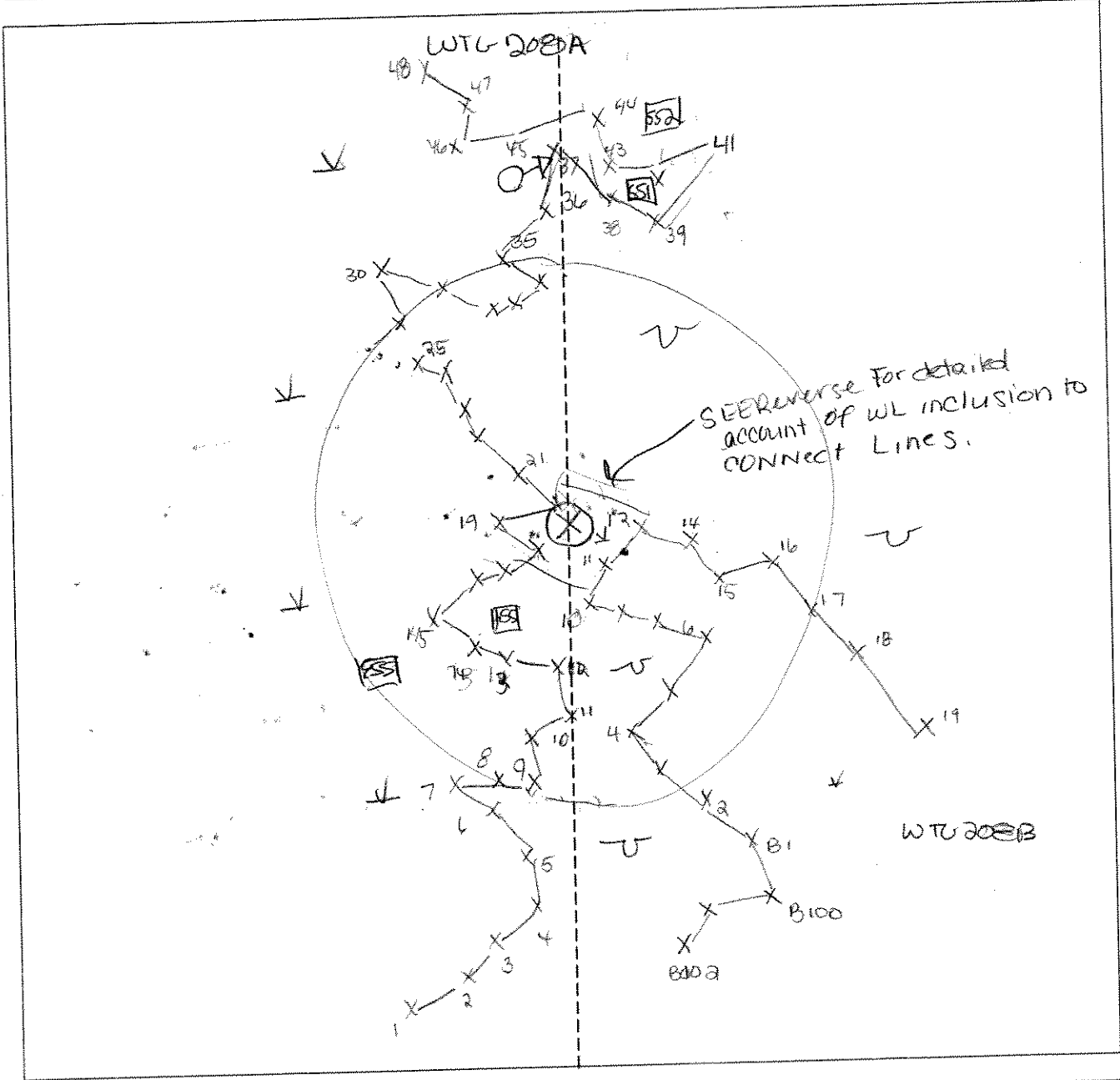
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4 4-8	A <sub>2</sub> A <sub>2</sub>	10YR 2/1 7.5YR 3/3			Silt (clay &) organic Silt clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 8"					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		

SKETCH FORM

Wetland ID/Route #: WTG208-A/B	Date: 10/26/06	Time: 1200
Initials of Delineators: RD JV	Location: T. 208	
Roll #:	Frames: A Line => SE + SW , pocket SE	



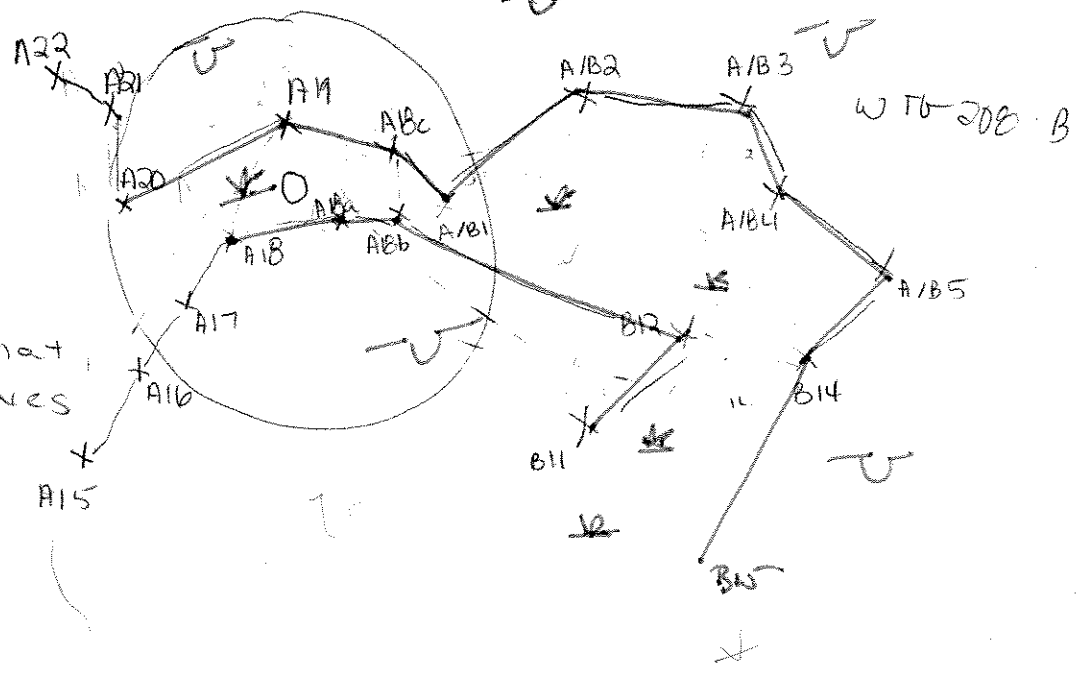
**Legend**

Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Perennial Stream
Flag	Intermittent Stream
North Arrow	

WTG JOB-A

50' radius of T-JOB

CONNECT Bc to JOB A/B1  
CONNECT B12 to A18  
Creates WL pocket that  
Connects Seperate Lines



12





LINE EXTENSION

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/8/07</i> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <i>PF04</i> Transect ID: Plot ID: <i>WT6208-R-AB-SSI</i>			

**VEGETATION**

Plant Community Classification: *W130m*  
 Percent Canopy Cover: Tree: *90* Shrub: *35* Herb: *90* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>A. balsamea</i>	S	FAC	10.		
3. <i>Carex sp</i>	H	FACW	11.		
4. <i>Sphagnum moss</i> <i>750%</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):  
 Remarks: *45% Acer rubrum*  
*Cannot id. species due to time of year*

**HYDROLOGY**

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
Field Observations: Depth of Surface Water (in.): <i>NK</i> Depth to Free Standing Water in Pit (in.): <i>10"</i> Depth to Saturated Soil (in.): <i>1"</i>	
Remarks:	

Date: 5/8/07  
 Community ID: WT6208-R-AB-SS1  
 Plot ID: P104

**SOILS**

Map Unit Name (Series and Phase): \_\_\_\_\_ Drainage Class: \_\_\_\_\_  
 Taxonomy (SubGroup): \_\_\_\_\_ Field Observations  
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR 2/1			
1-6	A	10YR 2/2	7.5YR 5/8	Distinct, few, md.	silt loam
6-12	B	2.5YR 5/3			clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: ORCs in A, mottles in A at bottom 4-6"

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Remarks: Photo 3 = E  
 DEC WL

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: WTG200 R-AB-SS

EXT

**VEGETATION**

Plant Community Classification: Balsam Flats  
 Percent Canopy Cover: Tree: 75 Shrub: 30 Herb: 35 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer Rubrum</u>	<u>T</u>	<u>FAC</u>	<u>9.</u>		
2. <u>Abies balsamiae</u>	<u>T</u>	<u>FAC</u>	<u>10.</u>		
3. <u>A. balsamiae</u>	<u>S</u>	<u>FAC</u>	<u>11.</u>		
4. <u>Marianthimum canadensis</u>	<u>H</u>	<u>FAC</u>	<u>12.</u>		
5.			<u>13.</u>		
6.			<u>14.</u>		
7.			<u>15.</u>		
8			<u>16.</u>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):

Remarks: DBH on A. rubrum significantly smaller than Abies  
Observed fallen leaves of Fagus grandifolia, populus  
grandidentata. Carex <5% scattered

**HYDROLOGY**

<p>___ Recorded Data (Describe in Remarks):          ___ Stream, Lake, or Tide Gauge          ___ Aerial Photographs          ___ Other  <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:          Primary Indicators:          ___ Inundated  <input checked="" type="checkbox"/> Saturated          ___ Water Marks          ___ Drift lines          ___ Sediment Deposits          ___ Drainage Patterns In Wetlands          Secondary Indicators (2 or more required):  <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches          ___ Water-Stained Leaves          ___ Local Soil survey Data          ___ FAC-Neutral Test          ___ Other (Explain in Remarks)</p>
<p>Field Observations:          Depth of Surface Water (in.): <u>NA</u>          Depth to Free Standing Water in Pit (in.): <u>NA</u>          Depth to Saturated Soil (in.): <u>4"</u></p>	
<p>Remarks:</p>	

Date: 5/2/07  
 Community ID: UPL  
 Plot ID: WTG008-R-AB-SSA

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	7.5YR 2.5/2			
3-8	A	7.5YR 3/2			
8-14	B	10YR 4/4	10YR 5/4	faint, few, med.	silt loam clay loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: oxcs abundant in A, B, organic streaking in B

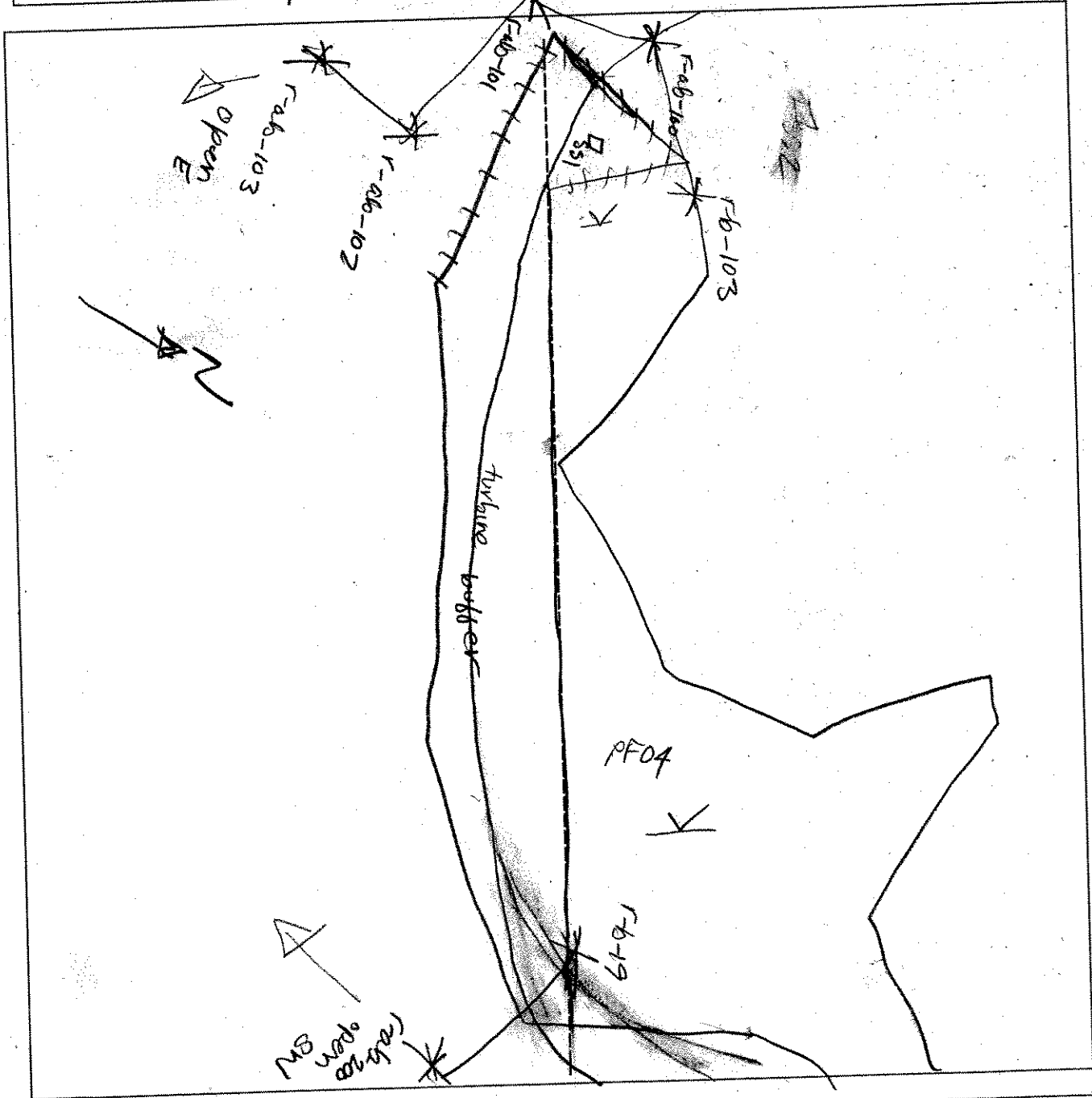
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: WT6208-r-ab EXT	Date: 8 May 07	Time:
Initials of Delineators: JV: AP	Location: T. 200	
Roll #: photo 3	Frames:	



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JENNIFER WEST	Date: 8.30.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> Is the site significantly disturbed (Atypical Situation)? <span style="float:right;">Yes <input type="radio"/> No <input checked="" type="radio"/></span> Is the area a potential Problem Area? <span style="float:right;">Yes <input checked="" type="radio"/> No <input type="radio"/></span> (If needed, explain on reverse.)	Community ID: PSS1 Transect ID: Plot ID: WTG 209A - SS1 WTG 1108A - SS1

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: 60	Shrub: 50	Herb: 80	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC			9.
2. <i>Betula populifolia</i>	T	FAC			10.
3. <i>Viburnum cassinoides</i>	SH	FACW			11.
4. <i>Nemophytus mucronata</i>	SH	Obl			12.
5. <i>Abies balsamea</i>	SH	FAC			13.
6. <i>Platanus aquilinum</i>	H	FACU			14.
7. <i>Aromia melanocephala</i>	H	FAC			15.
8. <i>Vaccinium angustifolium</i>	H	FACW			16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					7/8 = 87
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	
Remarks: extremely stony soils. Soil observation limited to ± 4". Water table assumed based on predominance of hydrophyte.	

Date: 8.30.06  
 Community ID:  
 Plot ID: WTG 209 A - SSI  
 WTG 1108 A - SSI

**SOILS**

Map Unit Name (Series and Phase):		Drainage Class: <i>poorly drained</i>			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3"	Oe	7.5YR 3/3			<i>Hemic</i>
3- <i>refusal</i>					
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input checked="" type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>Extremely stony soils. Hydric soils assumed based on nearly level topography and hydrophytic vegetation.</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks <i>Determination based on predominance of hydrophytes and wetland drainage patterns</i>			

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JENNIFER WEST</i>	Date: <i>8.30.06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Dawson Creek</i> Transect ID: Plot ID: <i>WTG 209A-SS2</i> <i>WTG 1108A-SS2</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>70</i> Shrub: <i>30</i> Herb: <i>60</i> Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Pteridium aquilinum</i>	H	FACU
2. <i>Betula populifolia</i>	T	FAC	10. <i>Vaccinium angustifolium</i>	H	FACU
3. <i>Populus grandifolia</i>	T	FACU	11.		
4. <i>Abies balsamea</i>	T	FAC	12.		
5. <i>Prunus serotina</i>	SH	FACU	13.		
6. <i>Viburnum cassinoides</i>	SH	FACW	14.		
7. <i>Abies balsamea</i>	SH	FAC	15.		
8. <i>Cornus canadensis</i>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/10 = 50%</i>					
Remarks: <i>Mixed community of hydrophytes and upland species on extremely strong soils.</i>					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> Primary Indicators: <i>none observed</i> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water (in.):  Depth to Free Standing Water in Pit (in.):  Depth to Saturated Soil (in.):	Remarks: <i>Assumed seasonal water table <math>\pm</math> 12 inches based on lack of dominance by hydrophytes</i>



Date: 8/30/06  
 Community ID: Deciduous tract  
 Plot ID: WTG 209A-SS2  
 WTG 1109A-SS2

**SOILS**

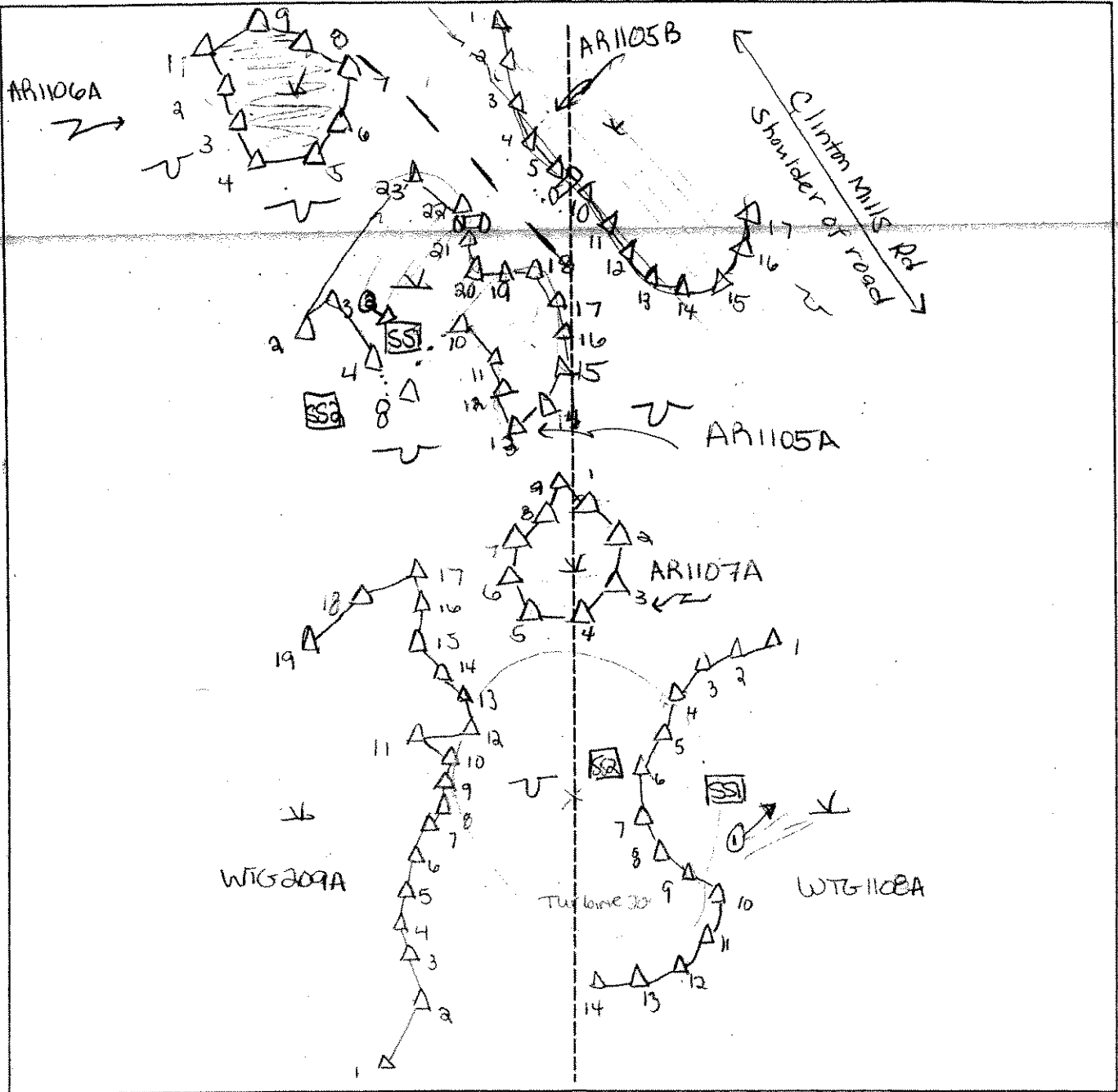
Map Unit Name (Series and Phase):		Drainage Class: Somewhat poorly			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2"	0e	10YR2/1			hemie
2"	refusal				
Hydro Soil Indicators					
<i>none observed</i>					
<input type="checkbox"/> Histosol				<input type="checkbox"/> Concretions	
<input type="checkbox"/> Histic Epipedon				<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils	
<input type="checkbox"/> Sulfidic Odor				<input type="checkbox"/> Organic Streaking in Sandy Soils	
<input type="checkbox"/> Aquic Moisture Regime				<input type="checkbox"/> Listed on Local Hydric Soils List	
<input type="checkbox"/> Reducing Conditions				<input type="checkbox"/> Listed on National Hydric Soils List	
<input type="checkbox"/> Gleyed or Low-Chroma Colors				<input type="checkbox"/> Other (Explain in Remarks)	
Remarks: <i>Extremely stony soils. Assumed non-hydric based on vegetation.</i>					

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Remarks: <i>Problem area as soils are extremely stony and unable to observe soils for hydric morphology and seasonal water table indicators; delineation based on vegetation</i>			

**SKETCH FORM**

Wetland ID/Route #: WTG 209, AR1105A, AR1106A, AR1107A		Date: 8-31-06	Time:
Initials of Delineators: JW, JV		Location: AR + Turbine 209	
Roll #: 1 = E	Frames: 2 = S		



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

11072. Marble Tributary to SE, E. OR NE  
 IDBACU, more E into field

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
 (1987 ACOE Wetlands Delineation Manual)

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RS, SC</i>	Date: <i>8/4/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>WETLAND</i> Transect ID: <i>WTB1051A</i> Plot ID: <i>SS1</i>

**VEGETATION**

*PEA - Ag field*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <input checked="" type="checkbox"/>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red clover</i>	H		9.		
2. <i>Red top</i>	H		10.		
3. <i>Red clover</i>	H		11.		
4. <i>Common sp</i>	H		12.		
5. <i>IGATA cup</i>	H	<i>FAC</i>	13.		
6. <i>Red clover</i>	H		14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>13"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>- low pt in corner of 1-acre field.</i> <i>- Adjacent to PSS Dec wet</i>	

Date: 8/4/06  
 Community ID: WOTAD  
 Plot ID: WB1041A-SSI

**SOILS**

Map Unit Name (Series and Phase):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 4/1	10YR 4/6	com/med/low	Silt, Clay -> Clay

**Hydro Soil Indicators**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes No	
Hydric Soils Present?	Yes No	

Remarks

**DATA FORM  
ROUTINE WETLAND DETERMINATION  
(1987 ACOE Wetlands Delineation Manual)**

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>AK SC</i>	Date: <i>8/4/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: <i>WB1051A</i> Plot ID: <i>882</i>

**VEGETATION** *Upland Hayfield*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input checked="" type="checkbox"/>	Herb: <i>105%</i>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Clover</i>	H		9.		
2. <i>Red Clover</i>	H		10.		
3. <i>Red Clover</i>	H		11.		
4. <i>Red Clover</i>	H		12.		
5. <i>Red Clover</i>	H		13.		
6. <i>White Clover</i>	H		14.		
7. <i>Red Clover</i>	H		15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>16"</i> Depth to Saturated Soil (in.): <i>11"</i>	
Remarks:	

Date: 8/4/06  
 Community ID: UPLAND  
 Plot ID:

WDB1251A-552

**SOILS**

Map Unit Name (Series and Phase):  
 Taxonomy (SubGroup):  
 Drainage Class:  
 Field Observations  
 Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2			Silt loam
8-16	B1	10YR 3/1-2/1	10YR 4/6	Com / fine / p / w	Silty clay loam → silty at
16-18	B2	10YR 5/2	10YR 4/3	med / med / ant	Silty clay → clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input checked="" type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *oxidized Rhizospheres*

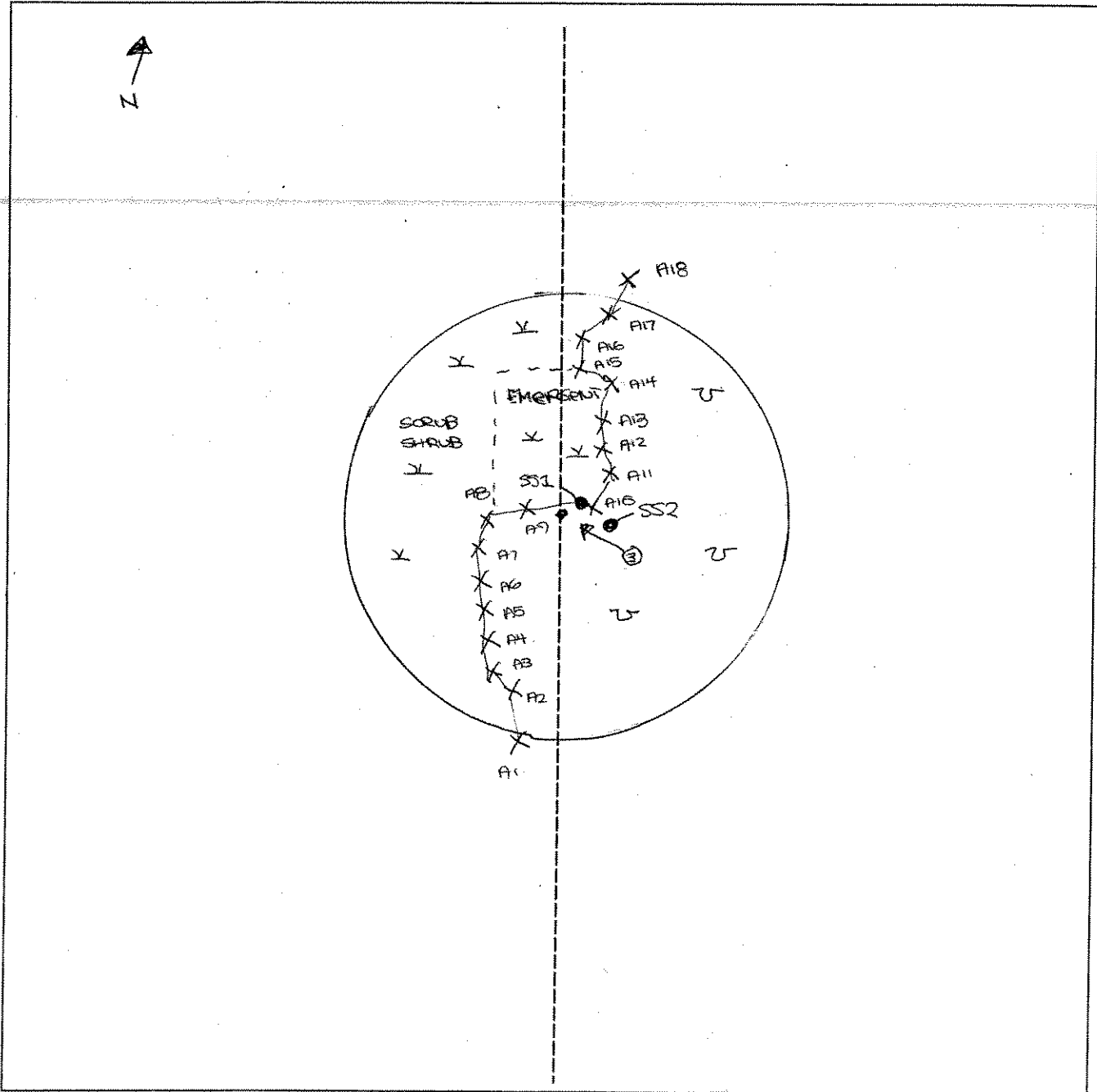
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: *Saturated Any field.*

### SKETCH FORM

<b>Wetland ID/Route #:</b> WEG1051A ③	<b>Date:</b> 8/4/06 <b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER
<b>Roll #:</b> <b>Frames:</b> PHOTO ③ FACING NORTHWEST	

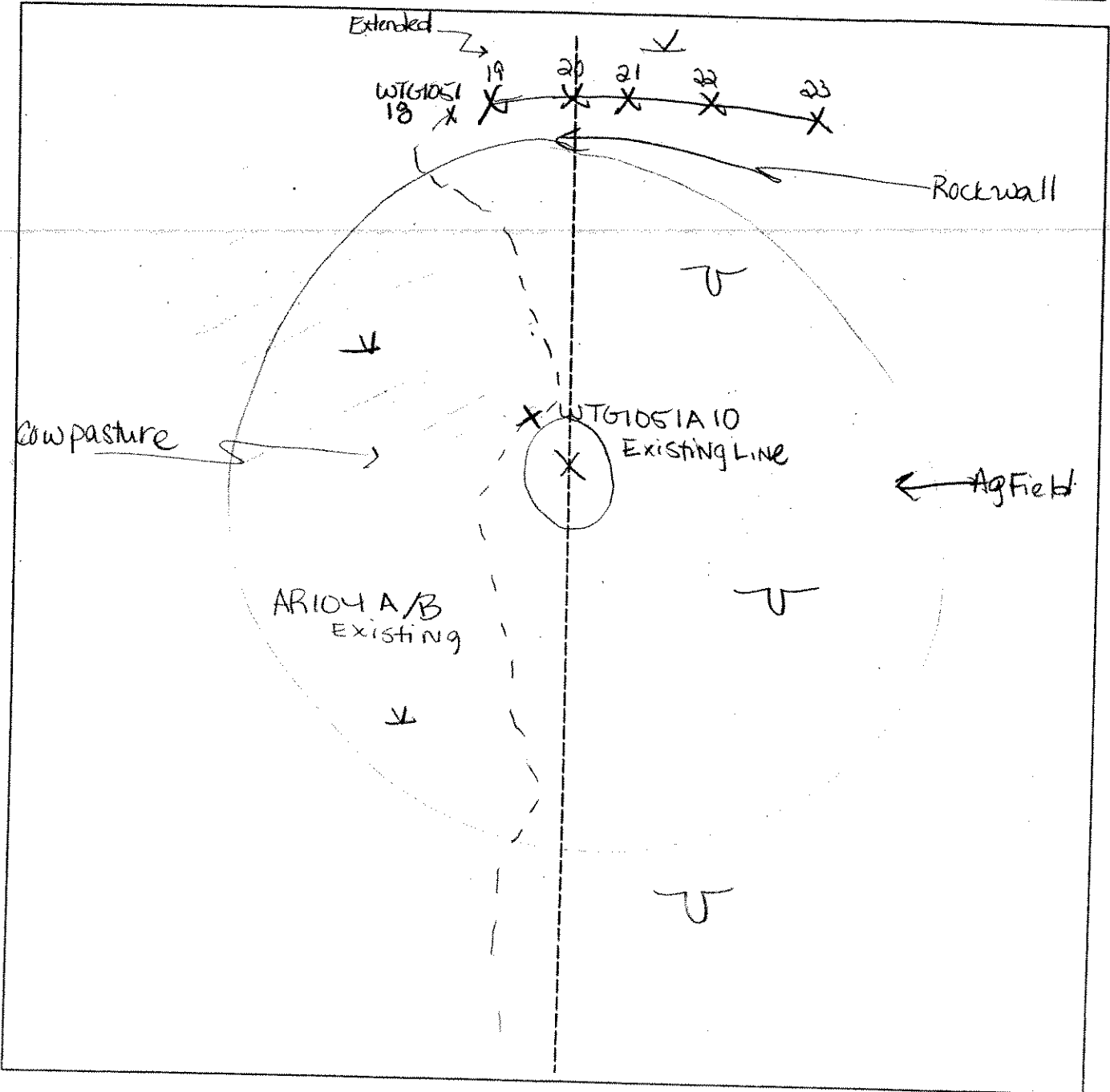


<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
<del>Circle</del> FENCELINE	Stream
Flag	Intermittent Stream

LINE EXTENSION

SKETCH FORM

Wetland ID/Route #: WTG 1051 A		Date:	Time:
Initials of Delineators: JF JV		Location: Turbine 52	
Roll #:	Frames:		



**Legend**

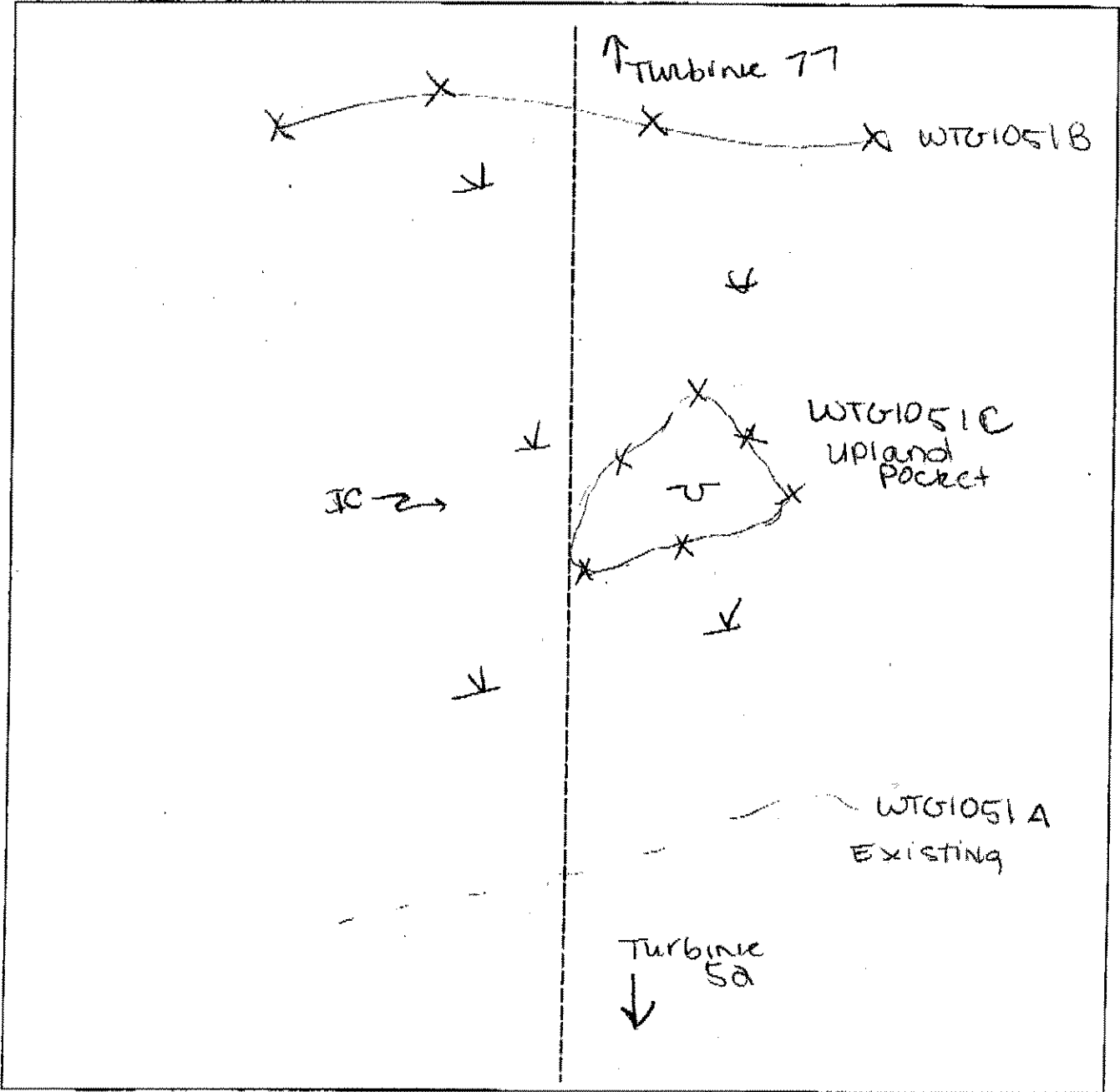
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

↑  
N



SKETCH FORM

Wetland ID/Route #: WTG1051 B/C	Date: 9/11/06	Time:
Initials of Delineators: JB, JV	Location: IC between turbine 77+52	
Roll #:	Frames:	



Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream