

**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): <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 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 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: <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	2.5YR 2.5/3			
3-7	A	2.5Y 3/1	7.5YR 3/4	75%	sandy loam
7-10	B <sub>wh</sub>	2.5Y 4/2	7.5YR 3/4	75%	sandy loam
12+	B <sub>w2</sub>	2.5Y 6/3	2.5Y 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	<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:	

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		
2-8	Bw1	10YR 3/3	none		
8-16	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>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>WT644-C-551</u>

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
1	<u>Acer glabrum</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
0-18 8-12+	O/A Bg	<del>2-5Y 5/1</del> 2-5Y 5/2	ox Rizo <del>2-5Y 4/6</del>	> 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>WPAud</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

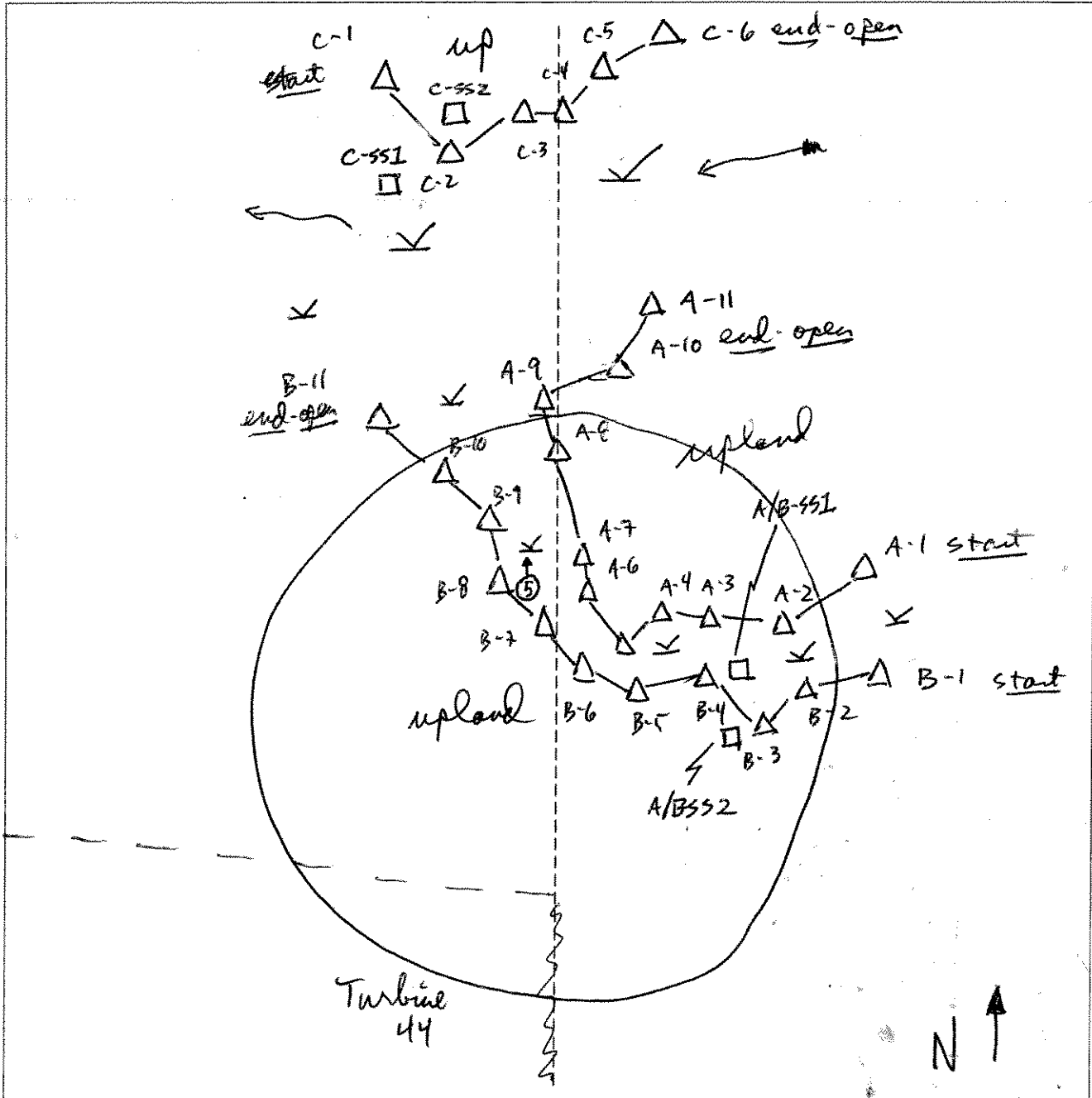
Remarks:

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: <b>Marble River</b> Applicant/Owner: <b>Marble River LLC</b> Investigator: <b>RTD, JD</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 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: <b>Wetland</b> Transect ID: Plot ID: <b>WTG-47A-SS1</b>

**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. <b>SILKY WILLOW</b>	<b>S</b>	<b>OBL</b>	9.		
2. <b>M. Sweet</b>	<b>S</b>	<b>FACW</b>	10.		
3. <b>S. Bush</b>	<b>S</b>	<b>FACW</b>	11.		
4. <b>J. EFFUSIS</b>	<b>H</b>	<b>FACW+</b>	12.		
5. <b>Carex sp</b>	<b>H</b>	<b>-</b>	13.		
6. <b>N.L. G. Red</b>	<b>H</b>	<b>FACW</b>	14.		
7. <b>Grass sp.</b>	<b>H</b>	<b>-</b>	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 <b>11 8 0 12/1/02</b> <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.): <b>2" in places</b> Depth to Free Standing Water in Pit (in.): <b>0</b> Depth to Saturated Soil (in.): <b>2"</b>	
Remarks: <p style="text-align: center;"><b>122 to 34 ← photo #1</b></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-48552</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	UPC
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>Comm on 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**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input 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.): <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: 5-18-06  
 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:

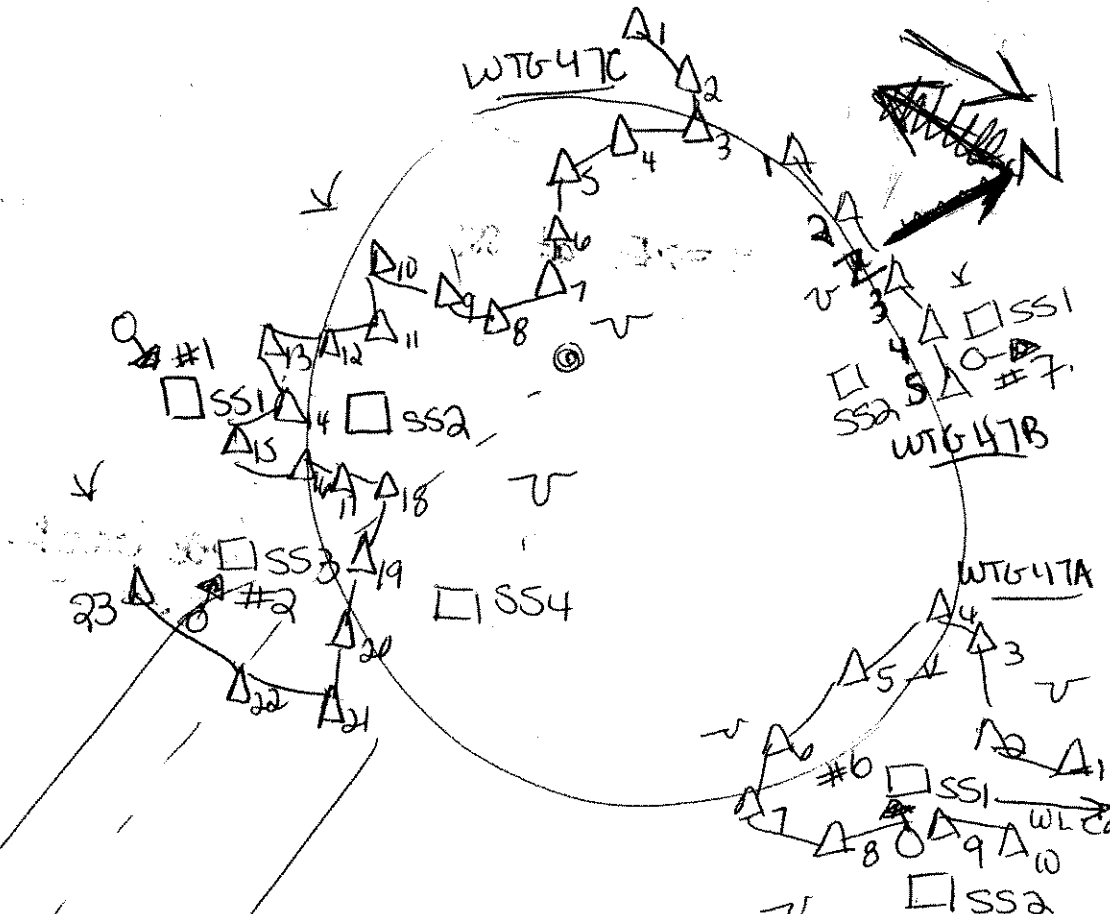
**WETLAND DETERMINATION**

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

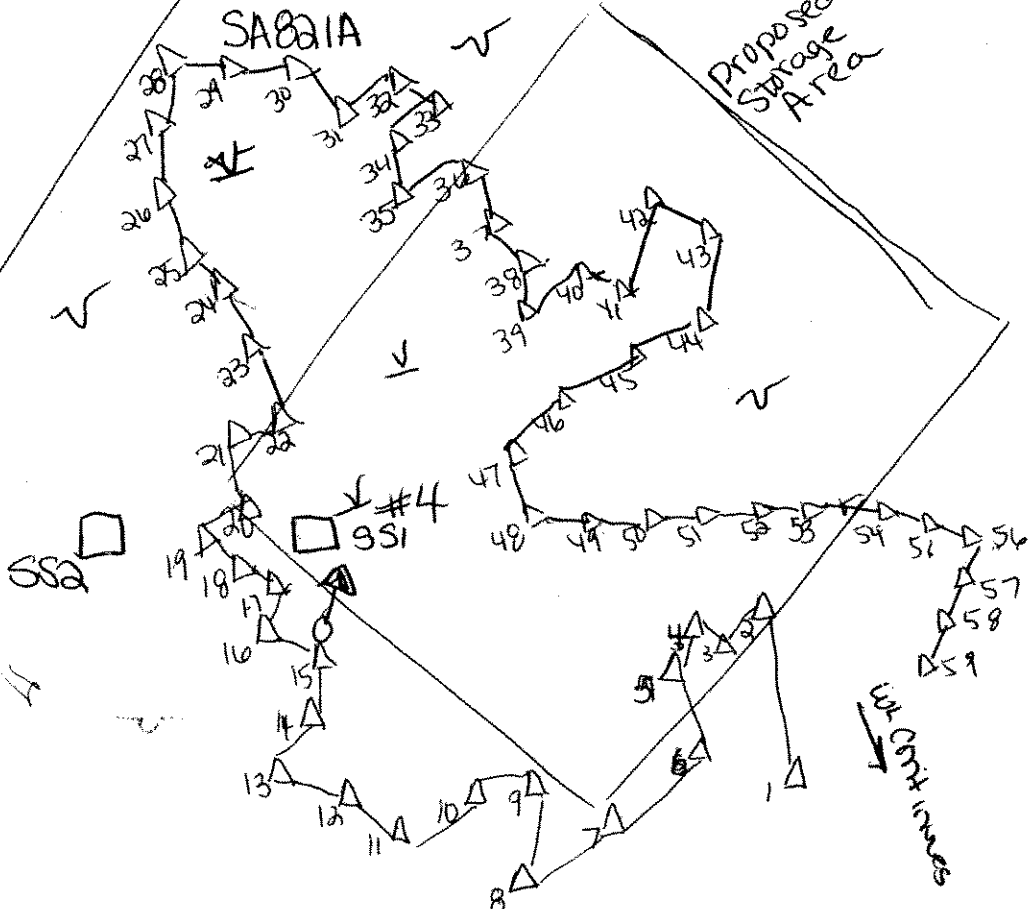
Access Rd

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: <u>PFO1</u> Percent Canopy Cover: Tree: <u>50%</u> Shrub: <u>70%</u> Herb: <u>30%</u> Vine: <u>0</u>					
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>JEFFRUSIS</u>	<u>H</u>	<u>FACW+</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>67%</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 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 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):	Drainage Class:
Taxonomy (SubGroup):	Field Observations Confirm Mapped Type? 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"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<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 @ 14"

**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

#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 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>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>WTG47C-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="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>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**

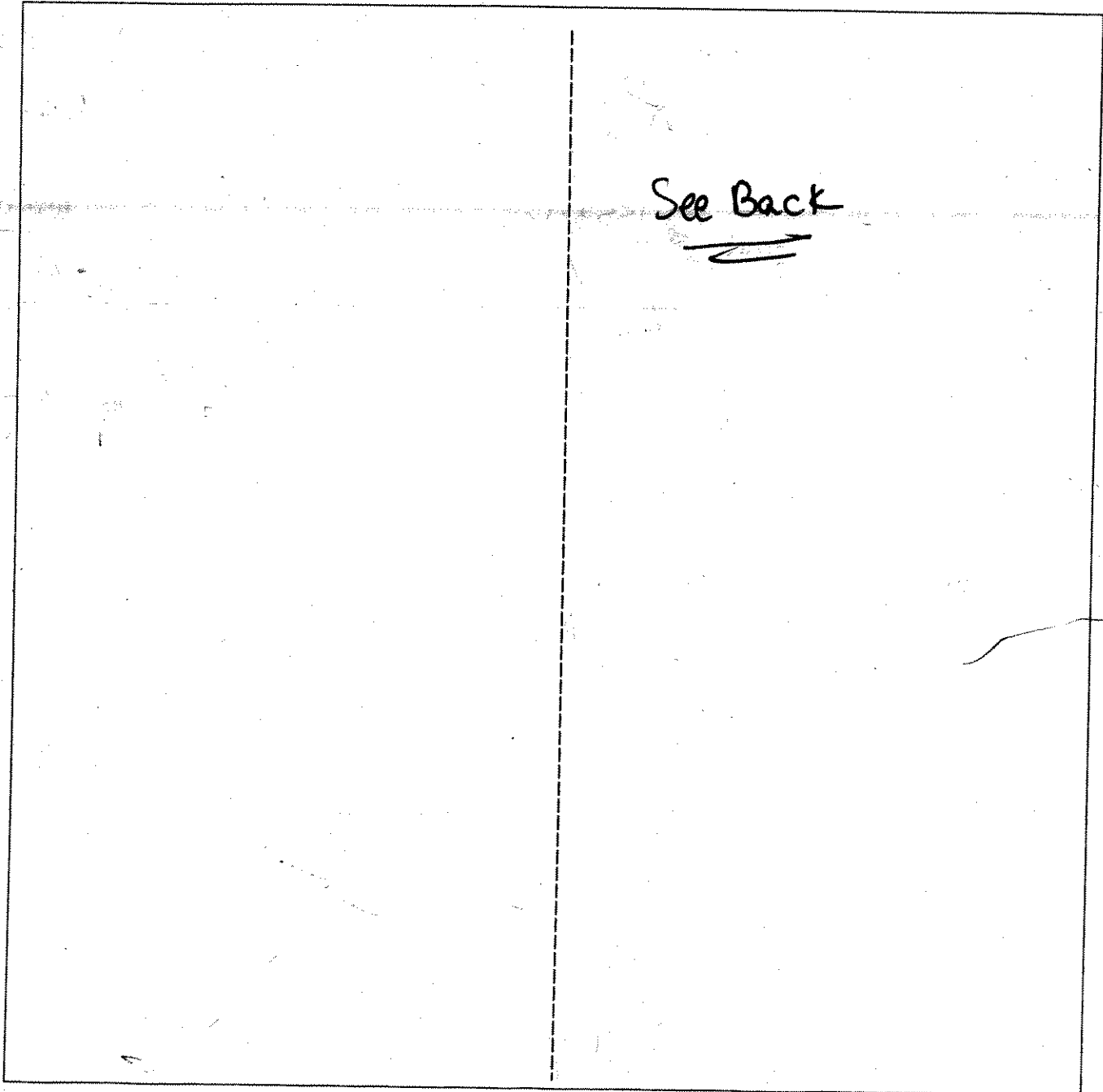
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>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

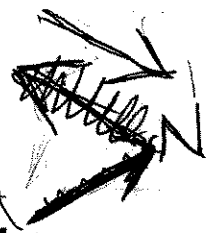


**Legend**

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

Access Rd

WTG 47C



#1

SS1

WTG 47A  
WTG 47B  
WTG 47C  
WTG 47D  
WTG 47E  
WTG 47F  
WTG 47G  
WTG 47H  
WTG 47I  
WTG 47J  
WTG 47K  
WTG 47L  
WTG 47M  
WTG 47N  
WTG 47O  
WTG 47P  
WTG 47Q  
WTG 47R  
WTG 47S  
WTG 47T  
WTG 47U  
WTG 47V  
WTG 47W  
WTG 47X  
WTG 47Y  
WTG 47Z

SS1  
SS2  
SS3  
SS4

WTG 47A

#2

SS3

SS4

SS1

SS2

SABIA

Proposed Storage Area

SS2

#4

SS1

WTG continues





**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? <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/SS</u> Transect ID: <u>WTE48B</u> Plot ID: <u>851</u>

**VEGETATION** PEM/SS

Plant Community Classification:  
 Percent Canopy Cover: Tree: 2% Shrub: 50% Herb: 15% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>JUNCUS EFFUSUS</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>RAIDERSNAKE GRASS</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>CAREX LURIDA</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>GLOBY BIRCH</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>SEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>WOOL GRASS</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>GREEN BIRCH</u>	<u>H</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-): 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>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	<b>CLAY LOAM</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 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 REPTD @ 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?

Remarks

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

Project Site: <u>CORAY, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/05</u> County: <u>CLETON</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>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 SWEETBERRY</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 BIRCH</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)
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.
0-2	A	10YR 2/1	NONE	---	SANDY SILT
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

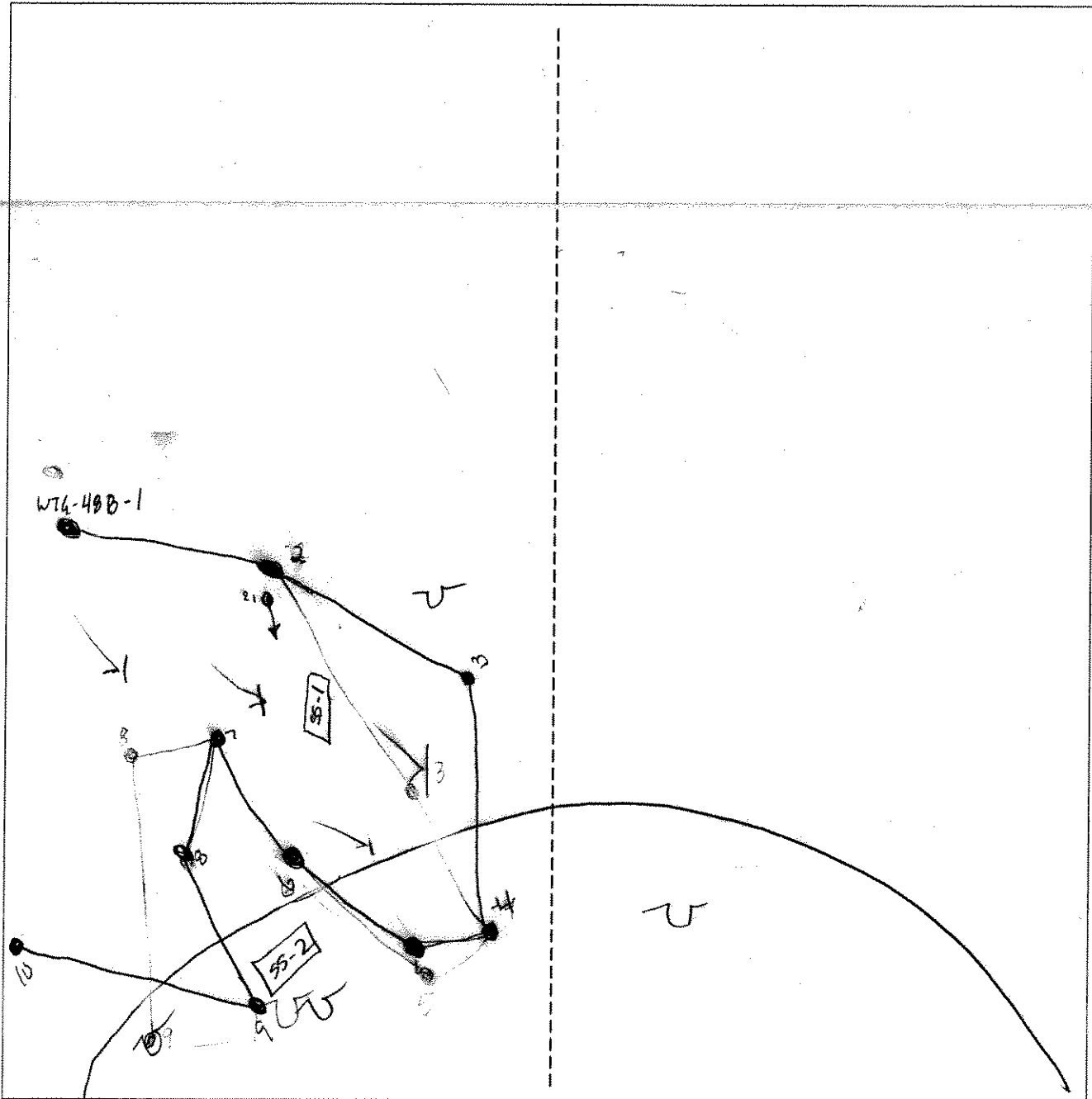
**WETLAND DETERMINATION**

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

SKETCH FORM

Wetland ID/Route #: <b>WTG48B</b>	Date: <b>10/20/05</b>	Time:
Initials of Delineators: <b>AK, JF</b>	Location: <b>WIND TURBINES 48B</b>	
Roll #: <b>4</b>	Frames: <b>13</b>	<b>TEAM B</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>MARDIE RIVER</u> Applicant/Owner: <u>MARDIE RIVER, LLC</u> Investigator: <u>DAVID J. V.</u>	Date: <u>5/19/06</u> County: <u>Clinton</u> State: <u>IN</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>WTG 50A</u> Plot ID: <u>851</u>

**VEGETATION** TPO Decid / Conifer Mix

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. <u>Juncus sp</u>	<u>T/S</u>	<u>FAC</u>	9. <u>ASTOR SP.</u>	<u>H</u>	<u>-</u>
2. <u>Gaylussacia</u>	<u>F/S</u>	<u>FAC</u>	10.		
3. <u>Red maple</u>	<u>F/S</u>	<u>FAC</u>	11.		
4. <u>Meadow sweet</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Cornus sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Juncus weed</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>S. sp</u>	<u>H</u>	<u>FACW+</u>	15.		
8. <u>Sp. sp</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>WETLAND OCCURS WITH AN OLD LOGGING RD. &amp; EXTENDS EAST INTO A LOGGED 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 <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 road</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: WTB 30A-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	A	10YR 4/1	10YR 4/6	Common / 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>DOG EAR</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 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 (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	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 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:

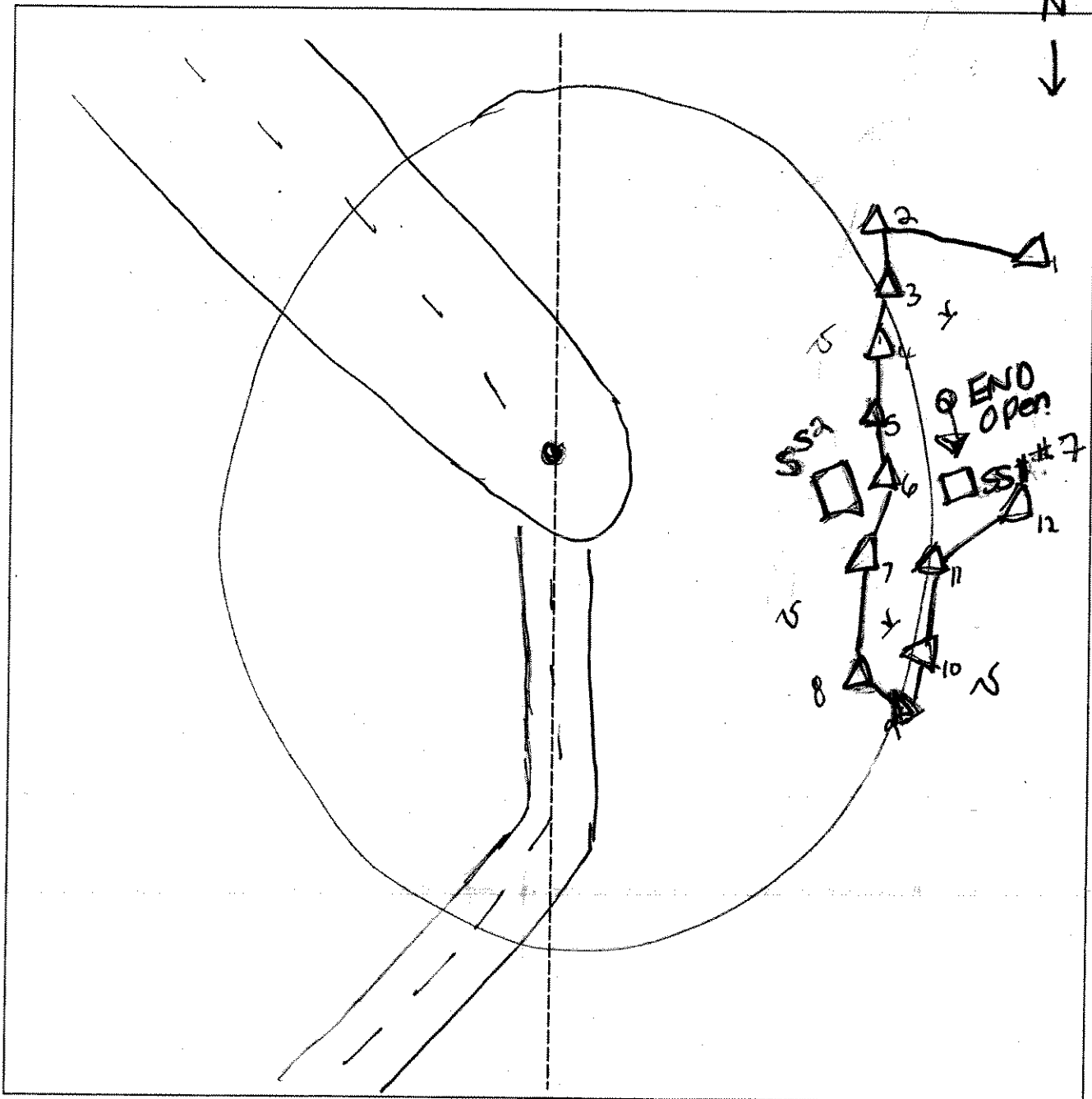
**WETLAND DETERMINATION**

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. J. 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"/> 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>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 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>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"

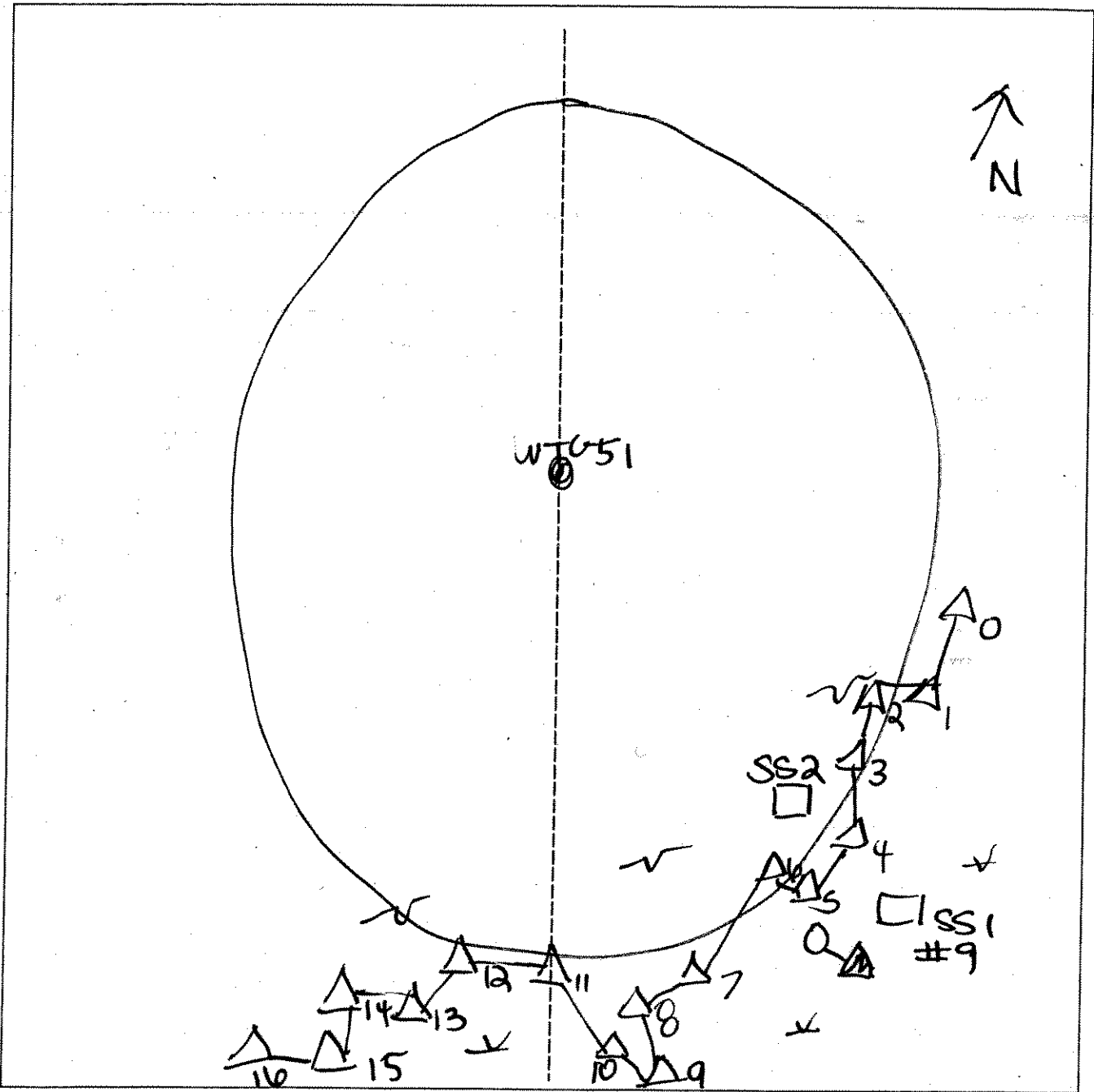
**WETLAND DETERMINATION**

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	Wetland
Sample Station	Upland
Centerline	Stream
Flag	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? <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: PFO1 Transect ID: Plot ID: WTG51-A/AR825

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>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): <input 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.): NA Depth to Free Standing Water in Pit (in.): 6" Depth to Saturated Soil (in.): 0"	
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? <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: <i>WTC-51/AR825</i>

*AR850-AB 55a*

**VEGETATION**

Plant Community Classification: *Logged Deciduous woods*  
 Percent Canopy Cover: Tree: *35* Shrub: *20* Herb: *25* Vine: *0*

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-): *250* %.

Remarks: *cannot i.d. species b/c 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: 5/6/07  
 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"

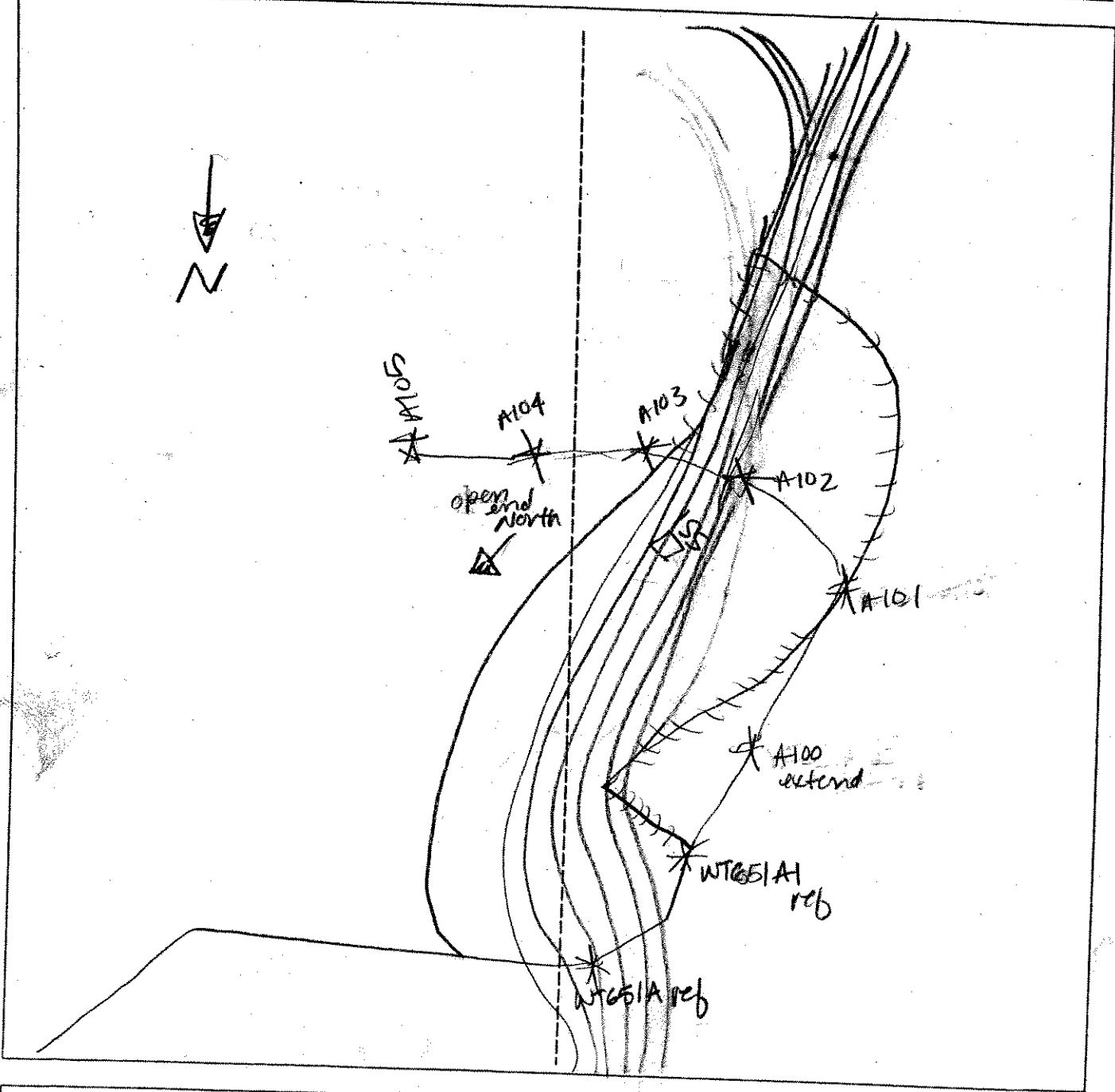
**WETLAND DETERMINATION**

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>	



<u>Legend</u>	
○▼	Photo Location/Direction
□	Sample Station
---	Centerline
▽	Flag
~	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 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>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>	

**SOILS**

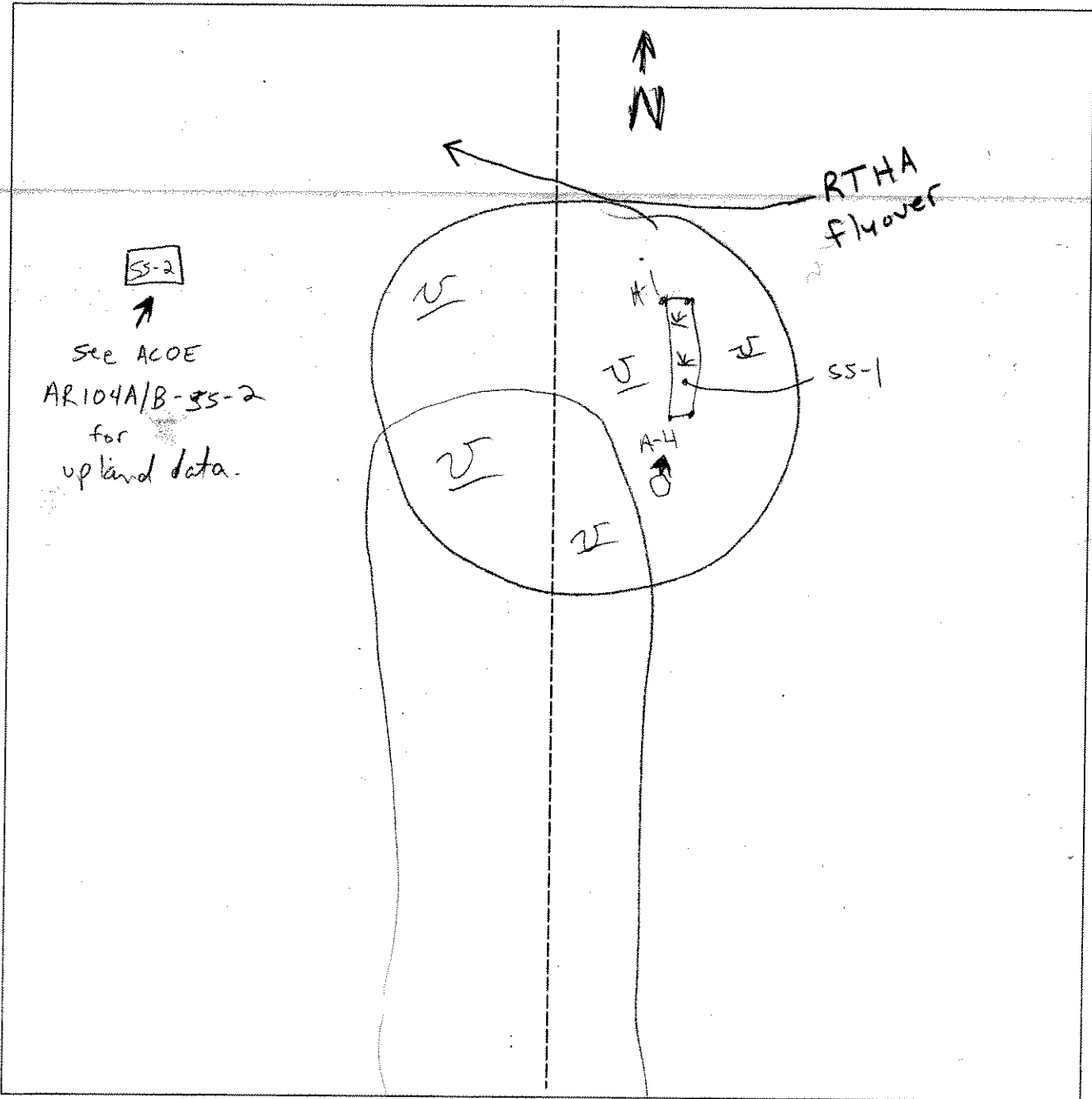
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
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**

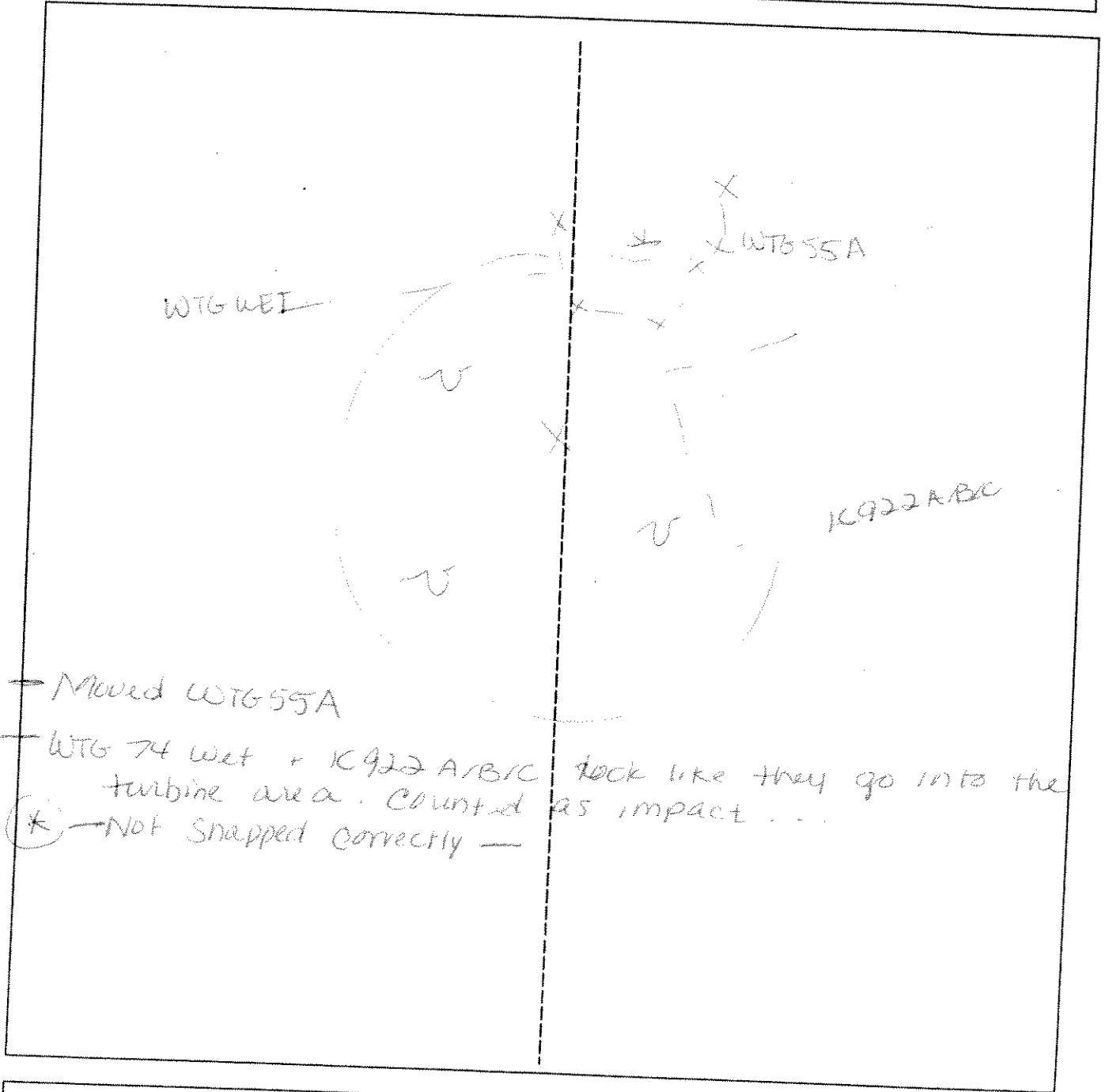
Wetland ID/Route #: WTG 52 A	Date: 10-7-05	Time: 12:00
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames: Photo looking NW	



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>5/19/06</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>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	<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)
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?	<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 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 2 9/4	< 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:

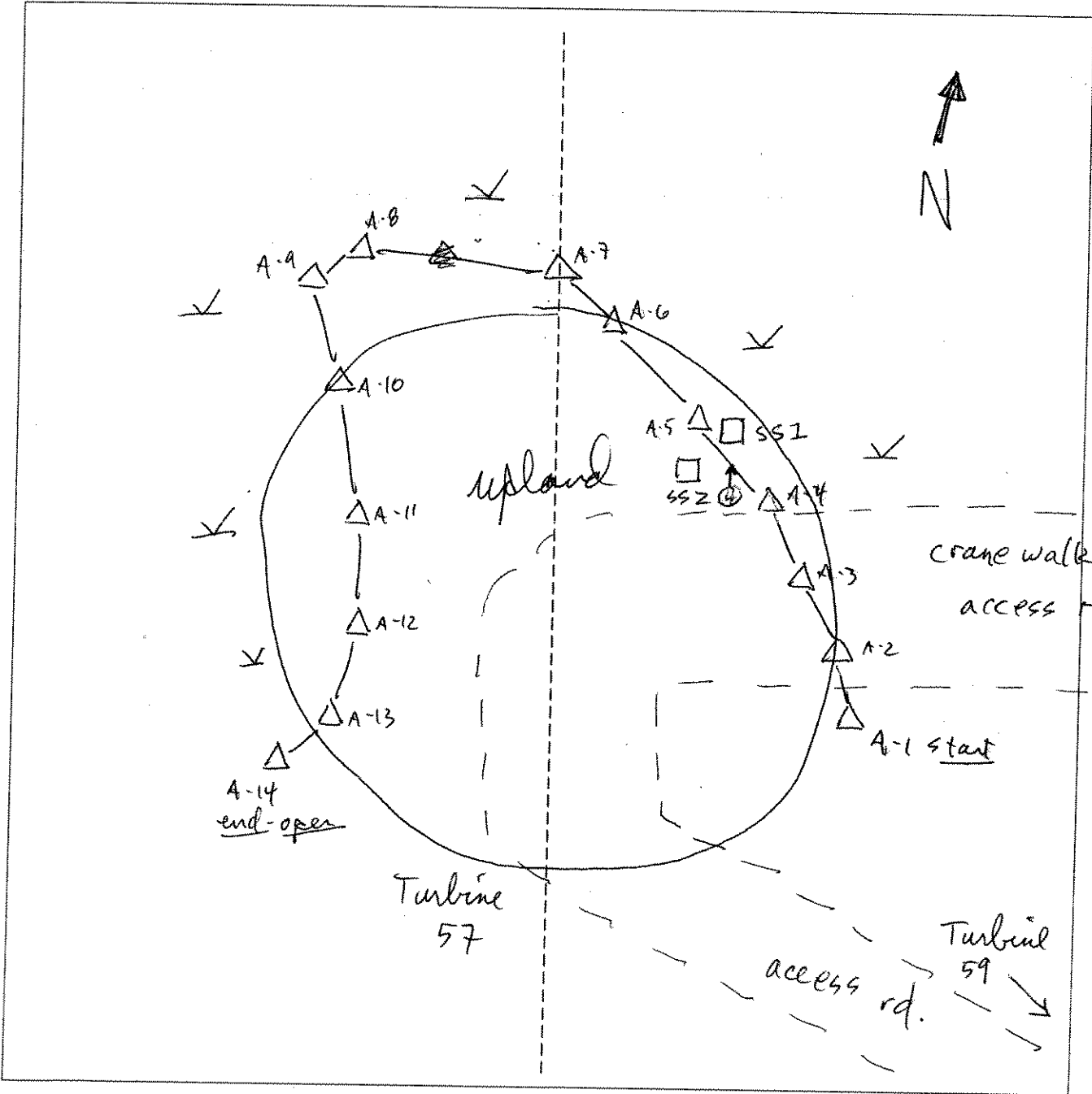
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	<input type="radio"/>	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 #: WTG 57A	Date: 5/19/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 4 facing N @ 492	



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>Maple River Wind</i> Applicant/Owner: <i>Maple 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="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>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>ArsumWet</i>	9.		
<i>* 2. Spina latifolia</i>	<i>SH</i>	<i>FAC+</i>	10.		
<i>* 3. Juniperus communis</i>	<i>H</i>	<i>FACW+</i>	11.		
<i>* 4. Juniperus sp.</i>	<i>H</i>	<i>FACW</i>	12.		
<i>* 5. Vernonia villosa</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:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="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 552</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: \_\_\_\_\_

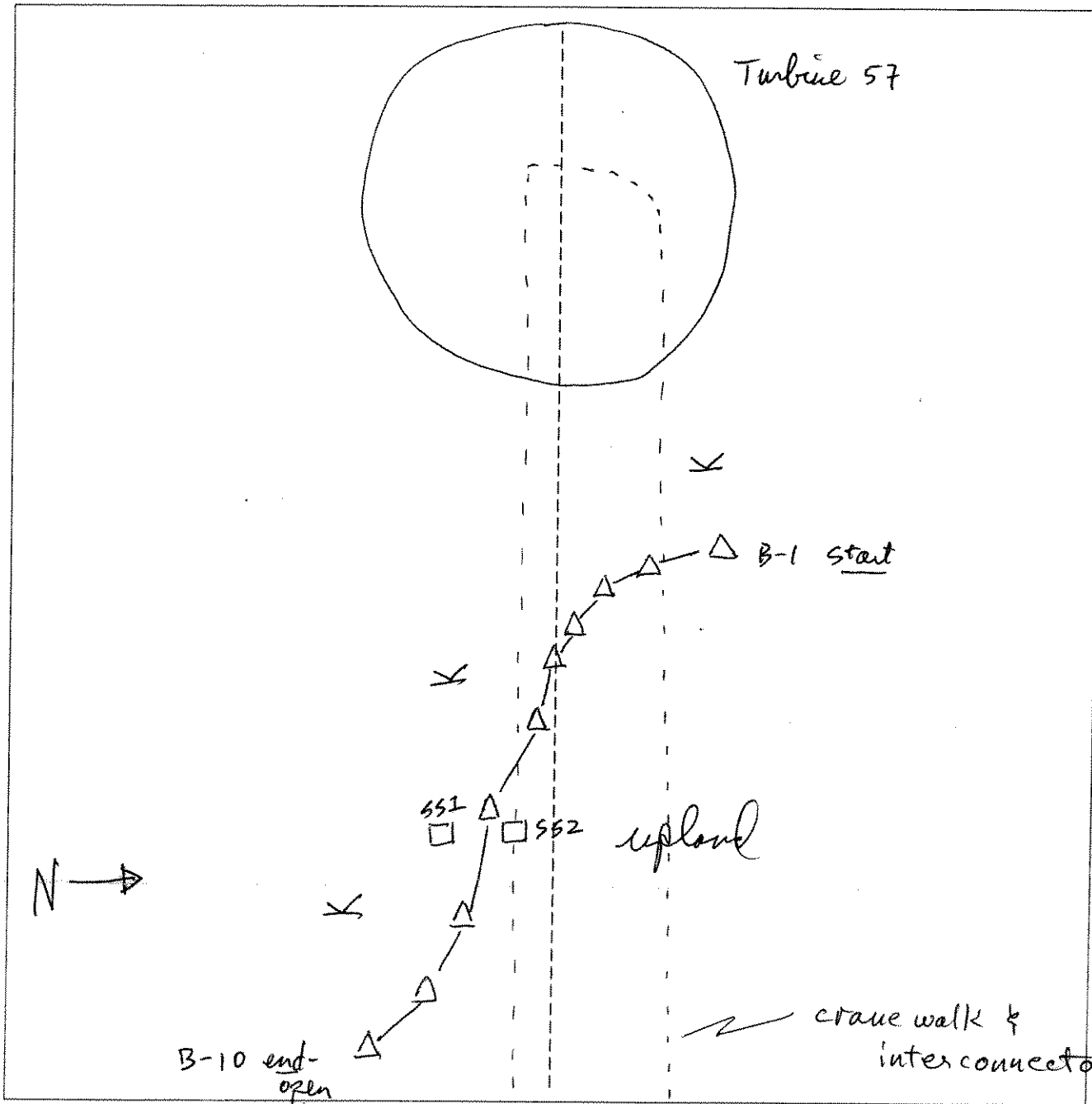
**WETLAND DETERMINATION**

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 57B</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.	M	FACW	12.		
5. Grass sp.	M	—	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.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input 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>maius</i> sp	S	FACU	9.		
2. <i>Solidago</i> sp	H	-	10.		
3. <i>platanus</i> sp	H	FACU	11.		
4. <i>Eragria 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	<b>Wetland Hydrology Indicators: NA</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: 5/5/07  
 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

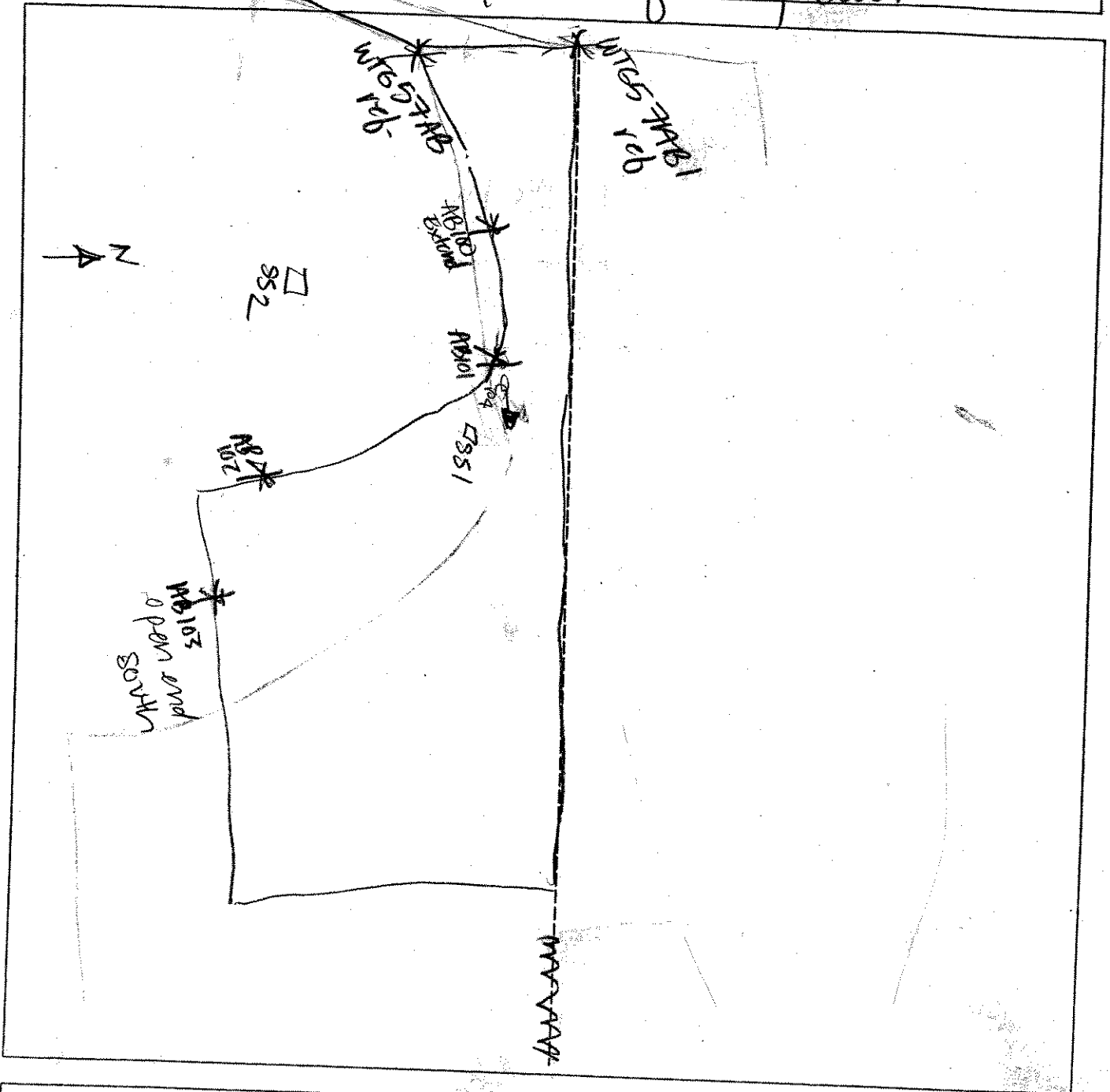
**WETLAND DETERMINATION**

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 V	Photo Location/Direction
□	Sample Station
- - -	Centerline
△	Flag
V	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>5/30/06</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; 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>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>	
Remarks:	



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 <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	
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**

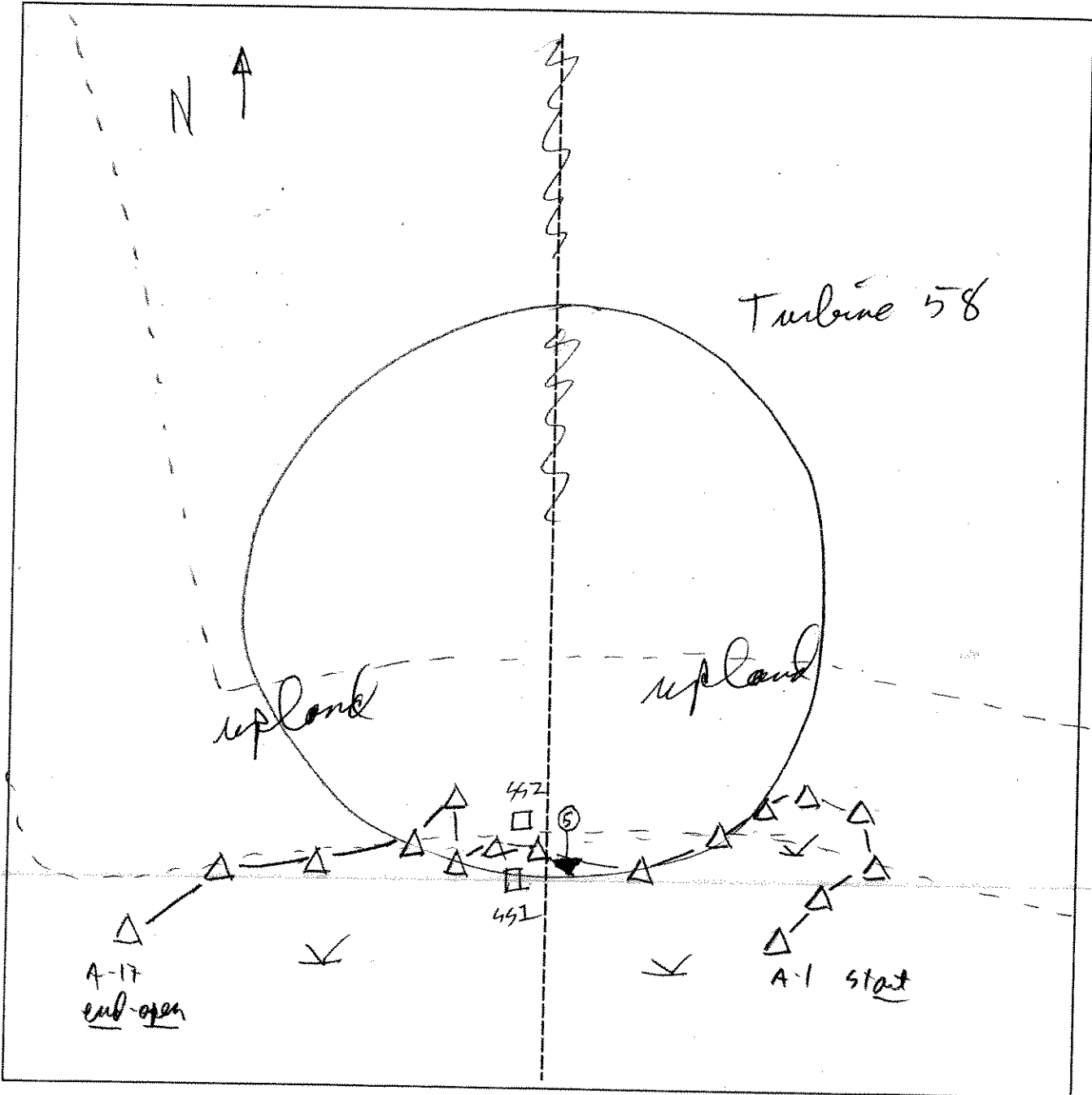
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
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	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>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:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	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

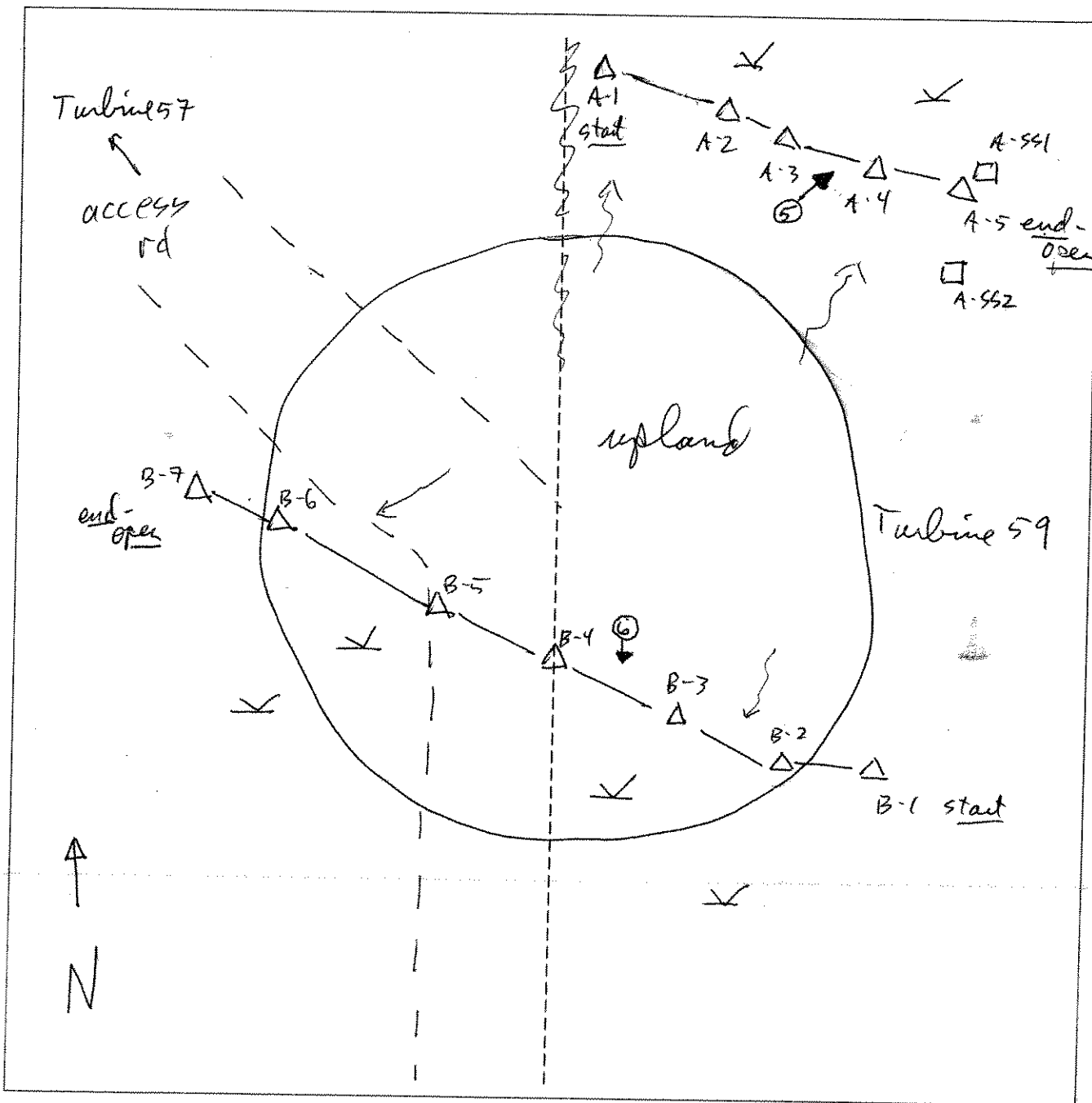
**WETLAND DETERMINATION**

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: 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.)	<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: WTG59 B-SSI	

**VEGETATION**

Plant Community Classification: Ag Field  
Percent Canopy Cover: Tree: 0 Shrub: 45% Herb: 100 Vine: 0

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-): 100%

Remarks: Cannot id species 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: 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>4"</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**

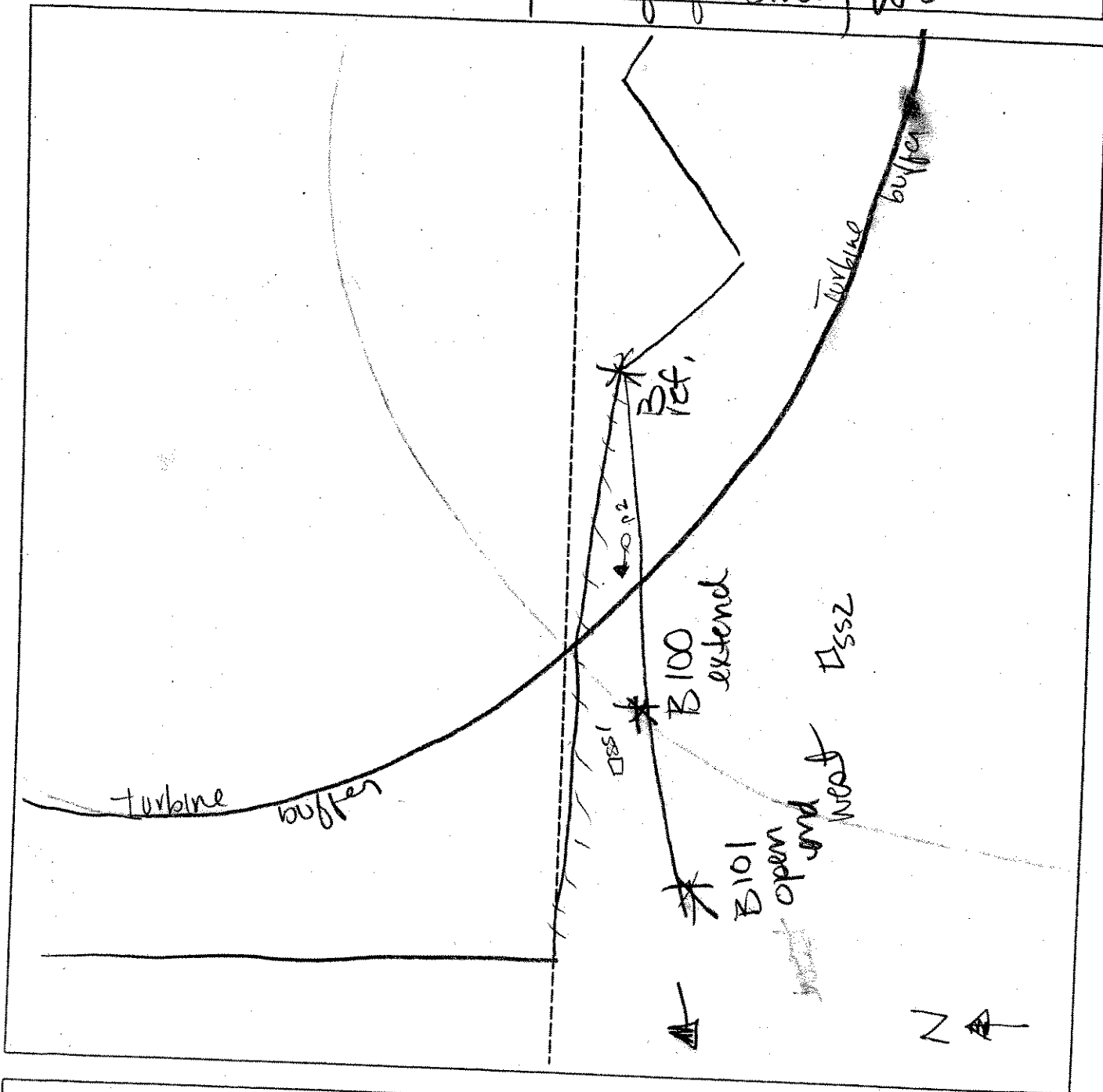
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A <sub>1</sub>	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"/> 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 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

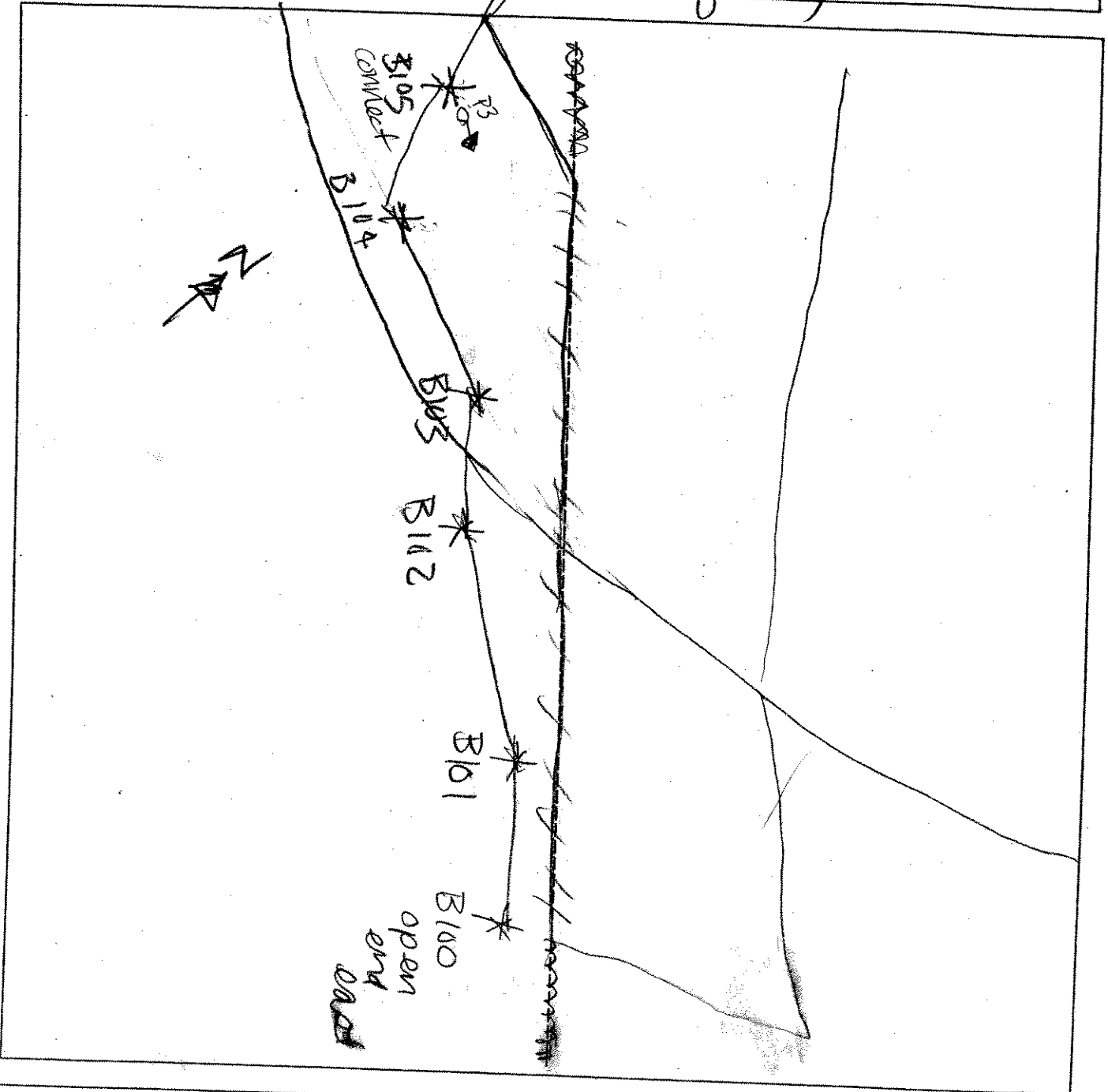
Wetland ID/Route #: <b>WT659B EXTENSION</b>		Date: <b>5 May 07</b>	Time:
Initials of Delineators:		Location: <b>WT659B</b>	
Roll #:	Frames:	<b>photo 2 by B ref facing west</b>	



Legend	
p2 ○ ▼	Photo Location/Direction
□	Sample Station
---	Centerline
▷	Flag
— — —	Wetland
— —	Upland
— —	Stream
· · ·	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		



Legend	
P3 ○ ↗	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: <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	OX 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"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<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  
 - 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>copling</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>Sop.</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**

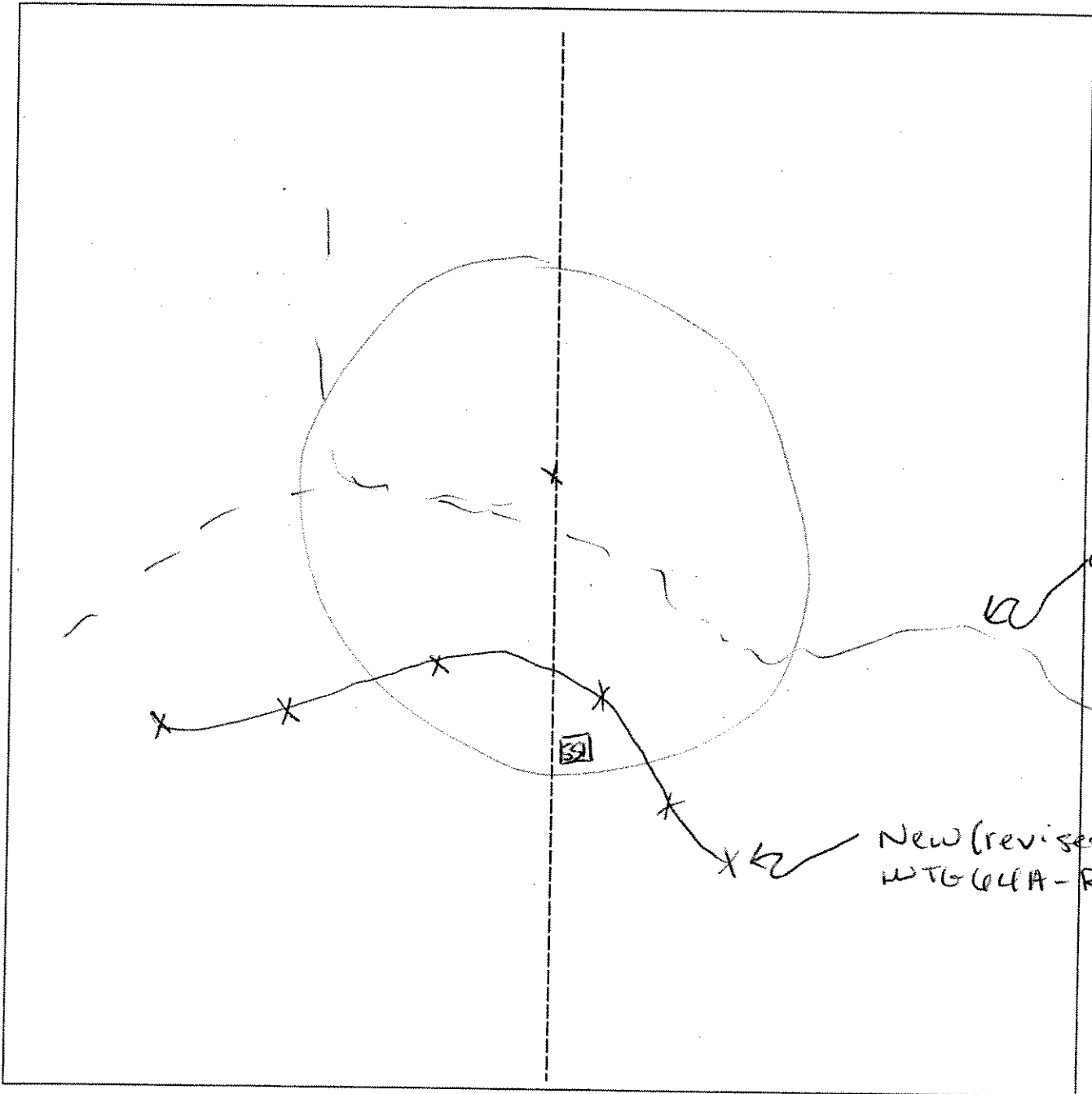
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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 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>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%; 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: <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>	<i>H</i>		9.		
2. <i>J. Peltatus</i>	<i>H</i>		10.		
3. <i>S. Peltatus</i>	<i>H</i>		11.		
4. <i>Quercus sp</i>	<i>H</i>		12.		
5. <i>Narrow leaf Goldenrod</i>	<i>H</i>		13.		
6. <i>Quisquatum</i>	<i>H</i>		14.		
7. <i>Buttercup</i>	<i>H</i>		15.		
8. <i>Quercus Scoparia</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 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>NEALANT 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 3/1-4/1	5YR 5/2	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.)	<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>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="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
<i>1. Timothy</i>	<i>H</i>		<i>9. ORCHARD GRASS</i>	<i>H</i>	
<i>2. Dandelion</i>	<i>H</i>		<i>10. BUTTERCUP</i>	<i>H</i>	
<i>3. WOOD SWEET</i>	<i>H</i>		<i>11.</i>		
<i>4. Common Plantain</i>	<i>H</i>		<i>12.</i>		
<i>5. Grass sp</i>	<i>H</i>		<i>13.</i>		
<i>6. Red Clover</i>	<i>H</i>		<i>14.</i>		
<i>7. Dandelion</i>	<i>H</i>		<i>15.</i>		
<i>8. Polygonum pennsylv.</i>	<i>H</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 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. flex. ligularis</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>Woodruff</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? <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>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>Northern Sweet</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)

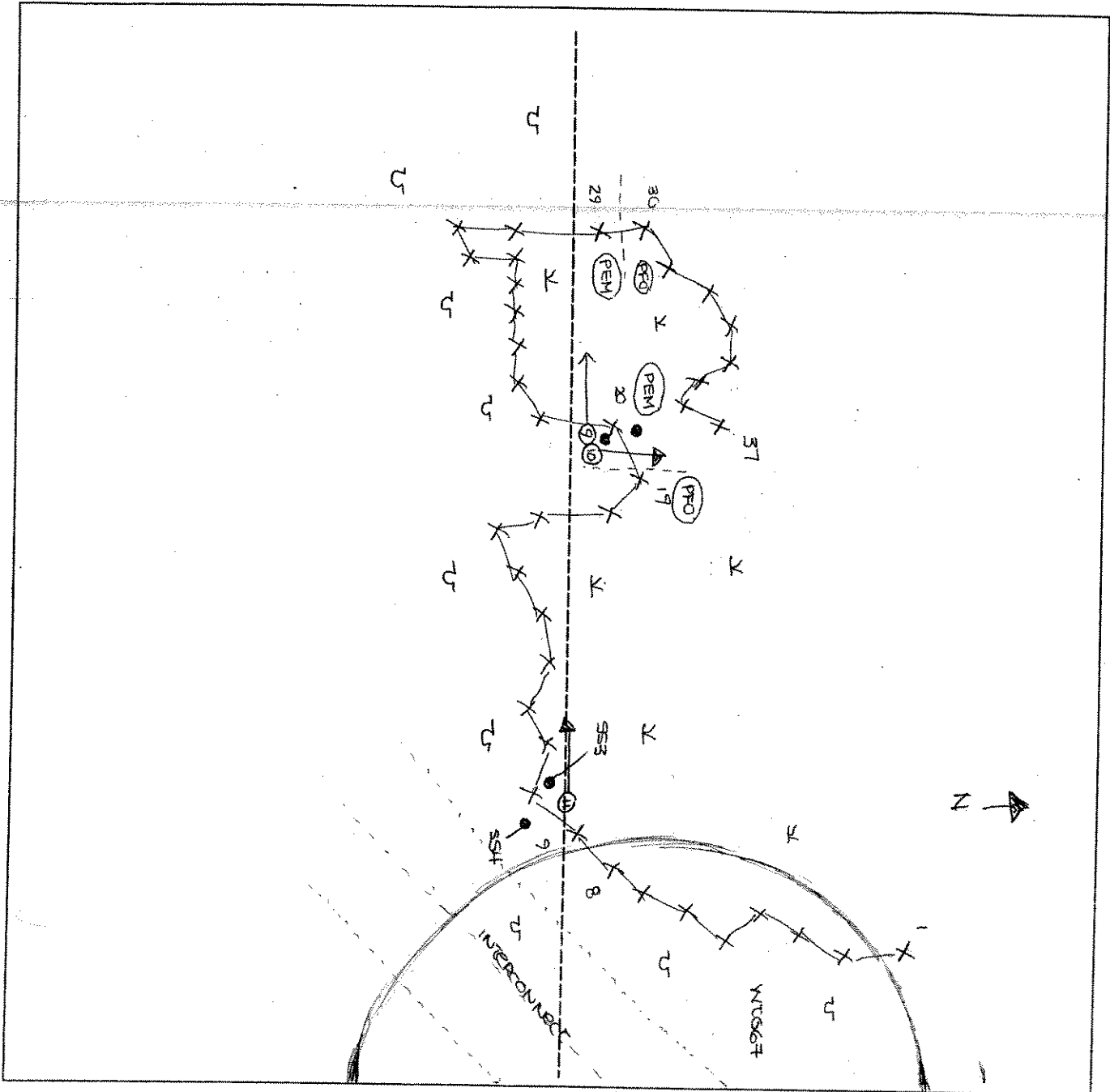
Remarks:

**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 Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (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 Maple	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 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 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: <u>BPR</u>	Date: <u>2/16/05</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 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>PF01A</u> Transect ID: Plot ID: <u>WTG 69-582</u> <span style="text-align: right; font-size: small;">U. 6 of A-11</span>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>65.5</u> Shrub: <u>36.0</u> Herb: <u>38.6</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Black Cherry</u>	<u>Tree</u>	<u>FACU</u>	9. <u>Meadow Grasses</u>	<u>Herb</u>	<u>FAC</u>
2. <u>White Birch</u>	<u>Tree</u>	<u>FACU</u>	10. <u>May Flower</u>	<u>Herb</u>	<u>FAC</u>
3. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	11.		
4. <u>Swamp Wood</u>	<u>Tree</u>	<u>FACU</u>	12.		
5. <u>Mountain Ash</u>	<u>Tree</u>	<u>FACU</u>	13.		
6. <u>White Birch</u>	<u>Shrub</u>	<u>FACU</u>	14.		
7. <u>Red Maple</u>	<u>Shrub</u>	<u>FAC</u>	15.		
8. <u>White Birch</u>	<u>Herb</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>3/1000</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>0</u> Depth to Free Standing Water in Pit (in.): <u>&gt; 14"</u> Depth to Saturated Soil (in.): <u>&gt; 14</u>	
Remarks: <u>No hydrology indicators obs.</u>	



Date: 2/16/06  
 Community ID: upland  
 Plot ID: 55A - WTG 67  
 UG-D-11

**SOILS**

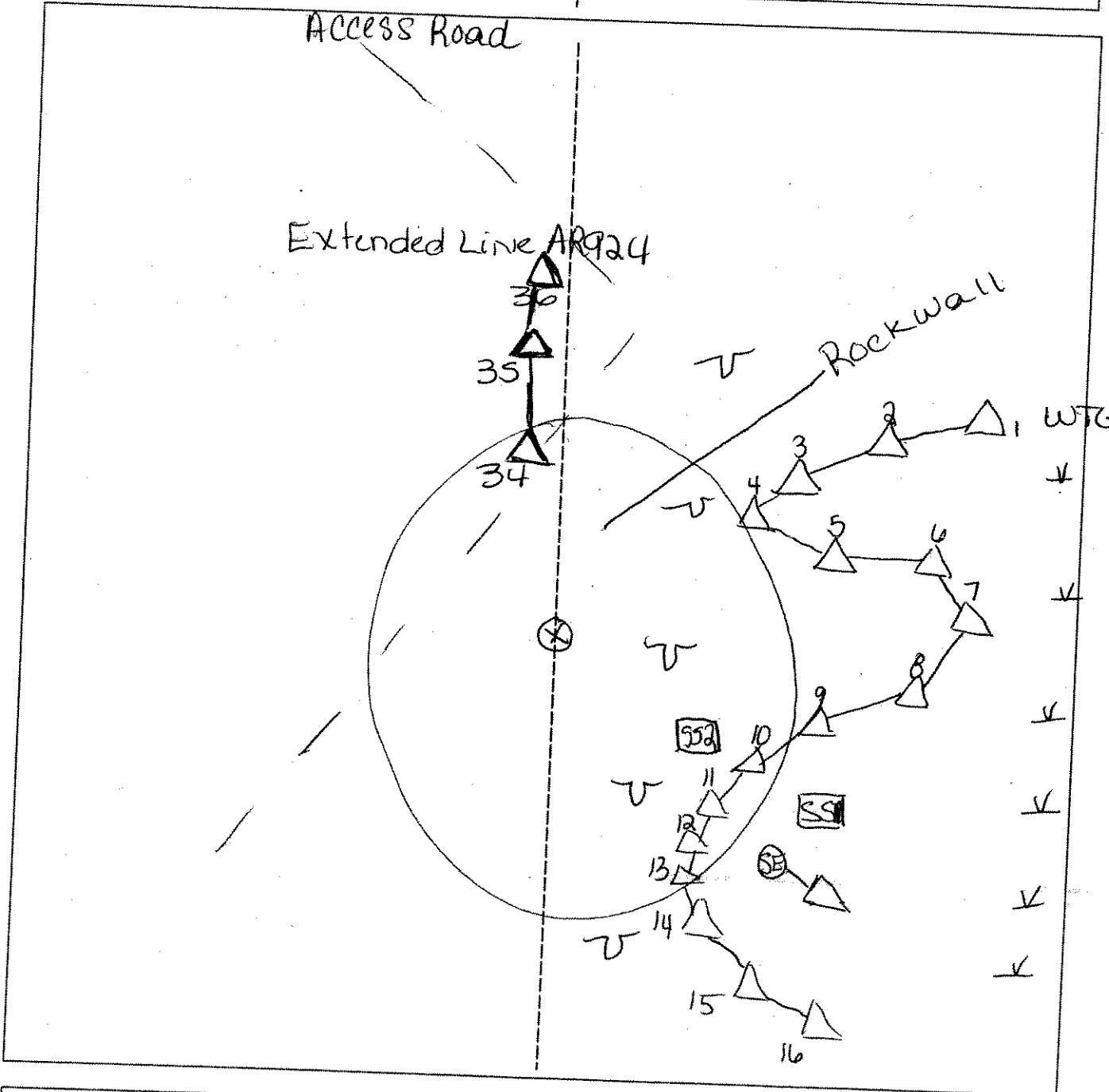
Map Unit Name (Series and Phase): N/A		Drainage Class: MWD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	np.	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>RSN SE</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 Intertie

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 CAMS</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 (mck) OK

Hydro Soil Indicators

<input 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:  
 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			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 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>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 PEAR</u>	<u>H</u>	<u>FAC+</u>	12.		
5. <u>L.B. SHEBERRY</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>OLD MAN</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>CANADA LILY</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>TRAVELER PEAR</u>	<u>H</u>	<u>FACU</u>	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 ___ 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:	

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	many small faint	Silty clay
15-18	B <sub>2</sub>				

Hydro Soil Indicators

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input 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**

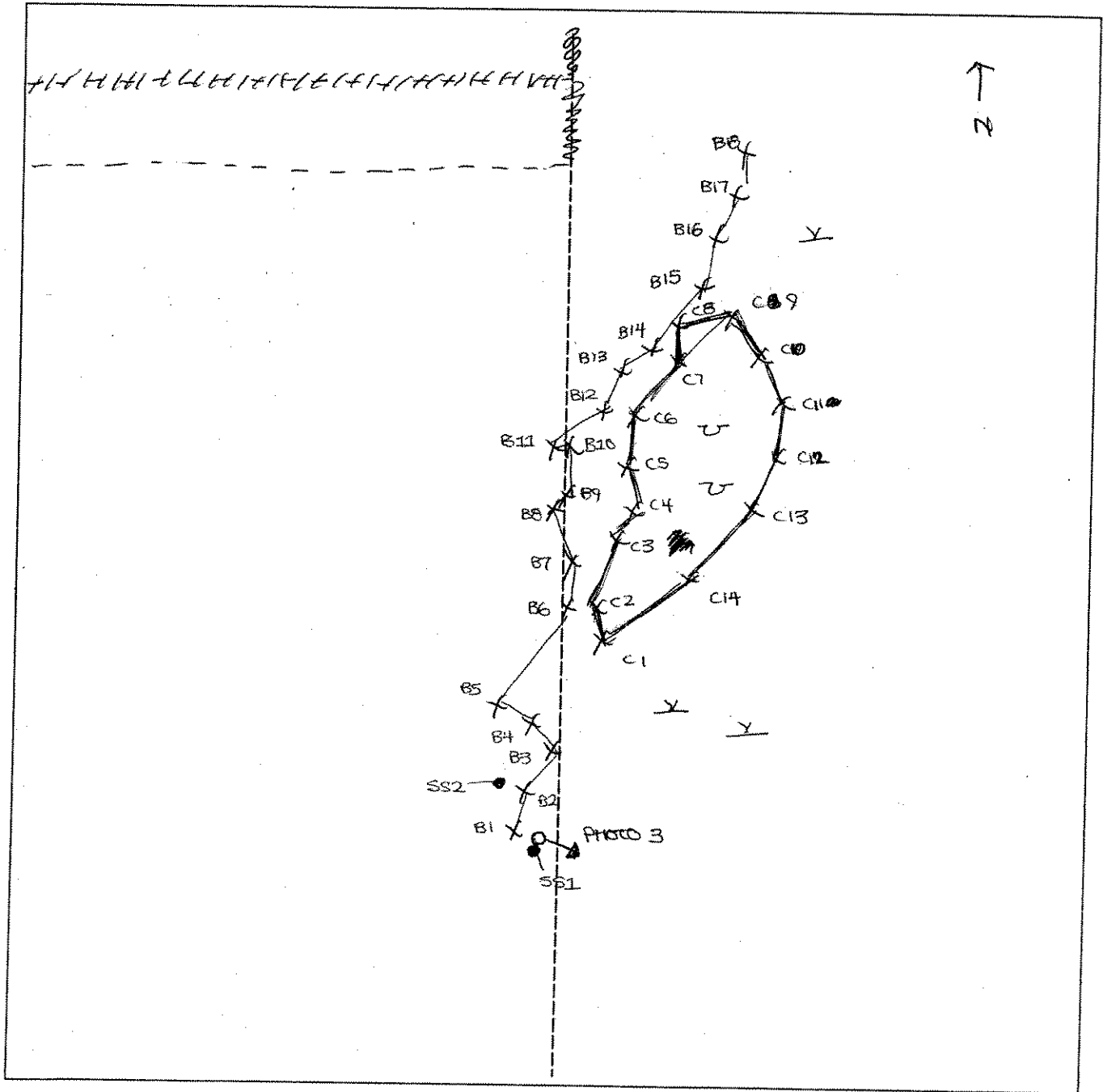
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

WCG70R-A, IC1012

### SKETCH FORM

<b>Wetland ID/Route #:</b> IC1012 B/C	<b>Date:</b> 7/14/06	<b>Time:</b>
<b>Initials of Delineators:</b> RD / SC	<b>Location:</b> MARBLE RIVER	
<b>Roll #:</b>	<b>Frames:</b> PHOTO 3 FACING SE	



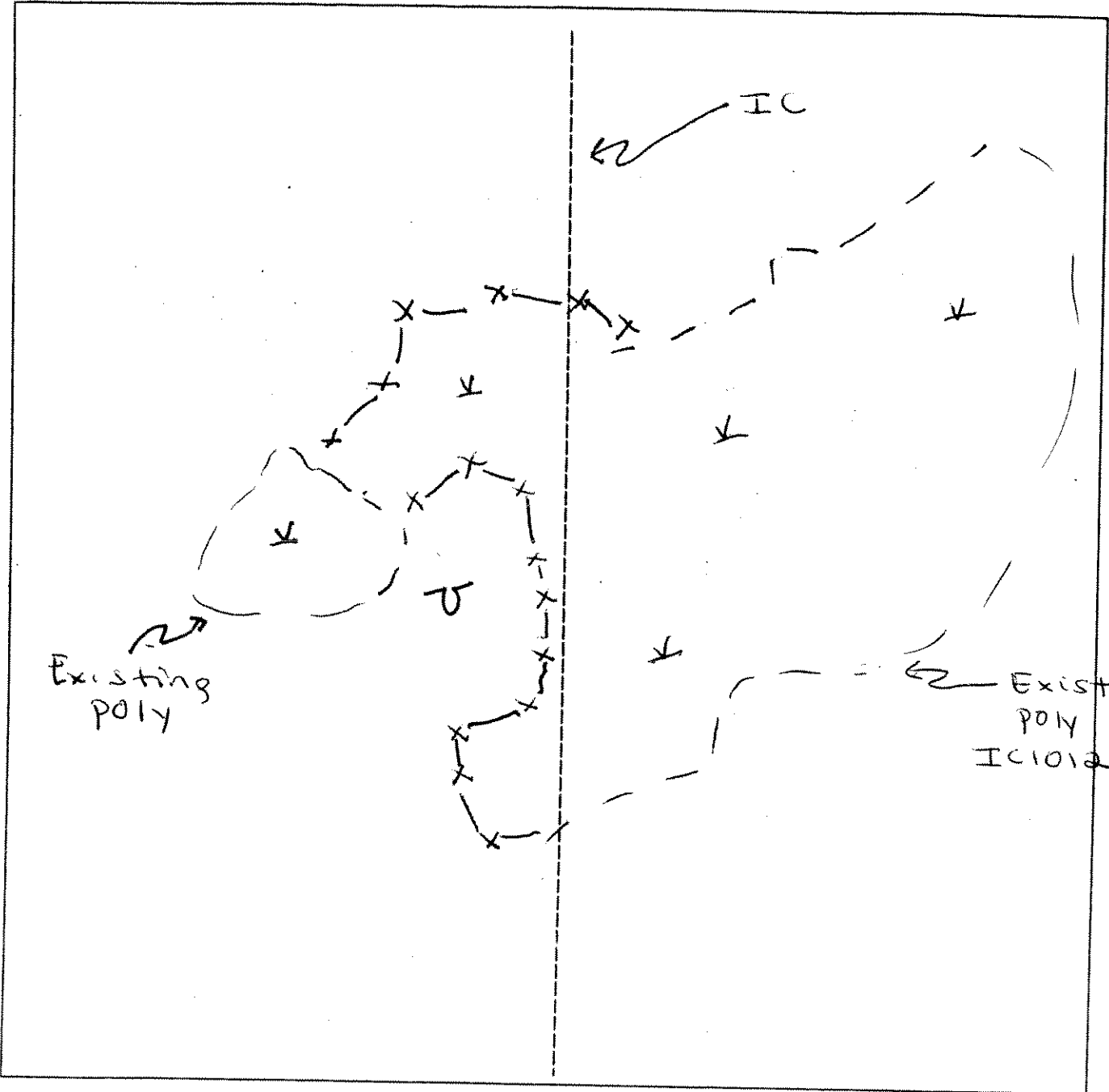
**Legend**

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	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>BO</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>WTG 77-A-551</i>

**VEGETATION**

Plant Community Classification: <i>90 Sapling</i> Percent Canopy Cover: <i>Tree: 75 Shrub: 35 Herb: 35 Vine:</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum</i>	<i>SOP</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Betula populifolia</i>	<i>SOP</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Salix sp.</i>	<i>H</i>	<i>Assemblage</i>	<i>11.</i>		
<i>4. Spinea latifolia</i>	<i>H</i>	<i>FAC+</i>	<i>12.</i>		
<i>5. Viburnum cassinoides</i>	<i>H</i>	<i>FACW</i>	<i>13.</i>		
<i>6. Osmunda Claytoniana</i>	<i>H</i>	<i>FACW</i>	<i>14.</i>		
<i>7. Betula populifolia</i>	<i>SH</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-): <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> 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>g</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**

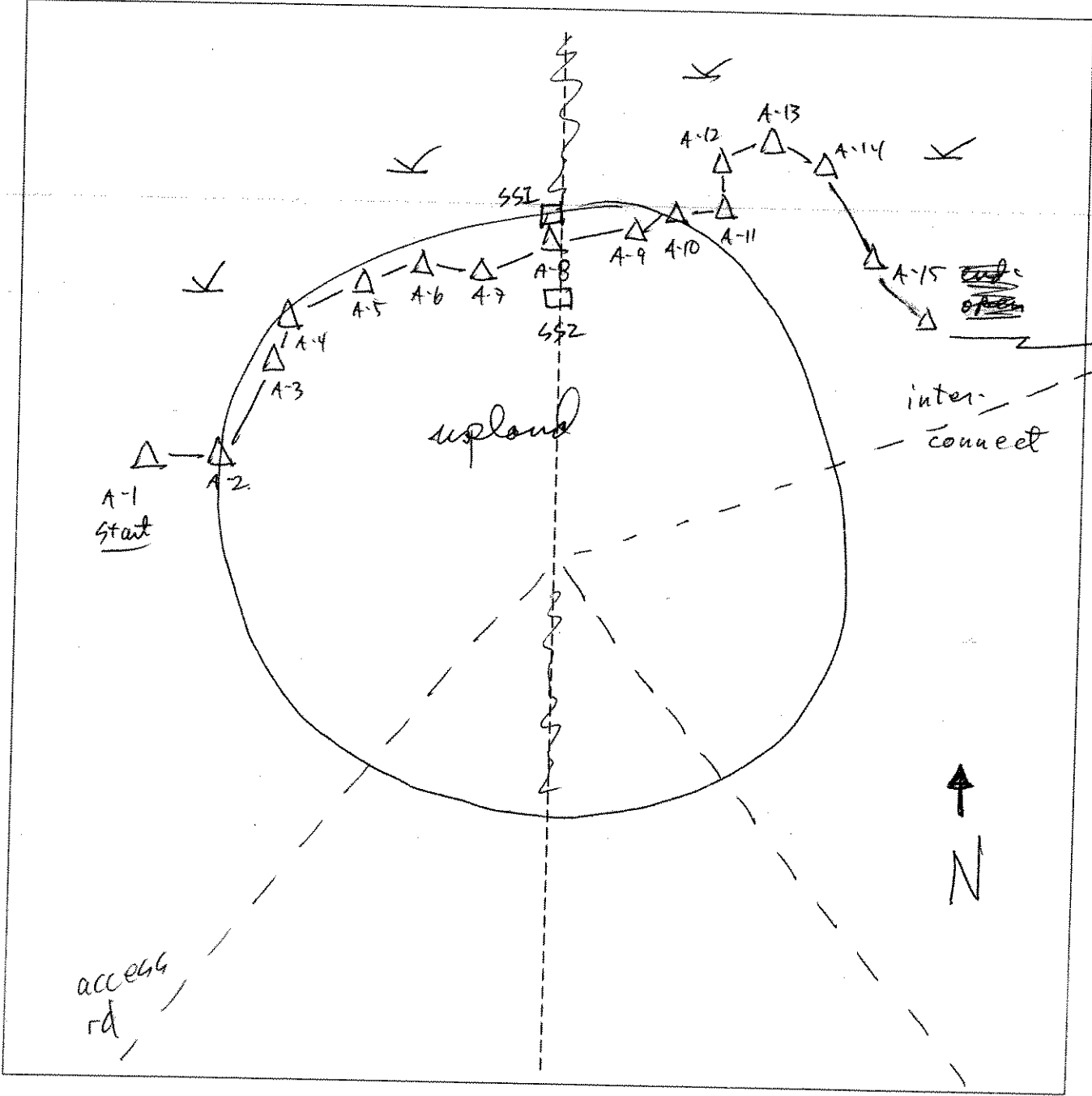
Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR3/1	None		Sandy loam
5-10	Bw	10YR4/4	7.5YR2.5/4	< 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 checked="" type="radio"/> No 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 #: <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	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>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 + 2.25Y 6/1	2-3 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 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>moist Hay field, no cove, 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?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

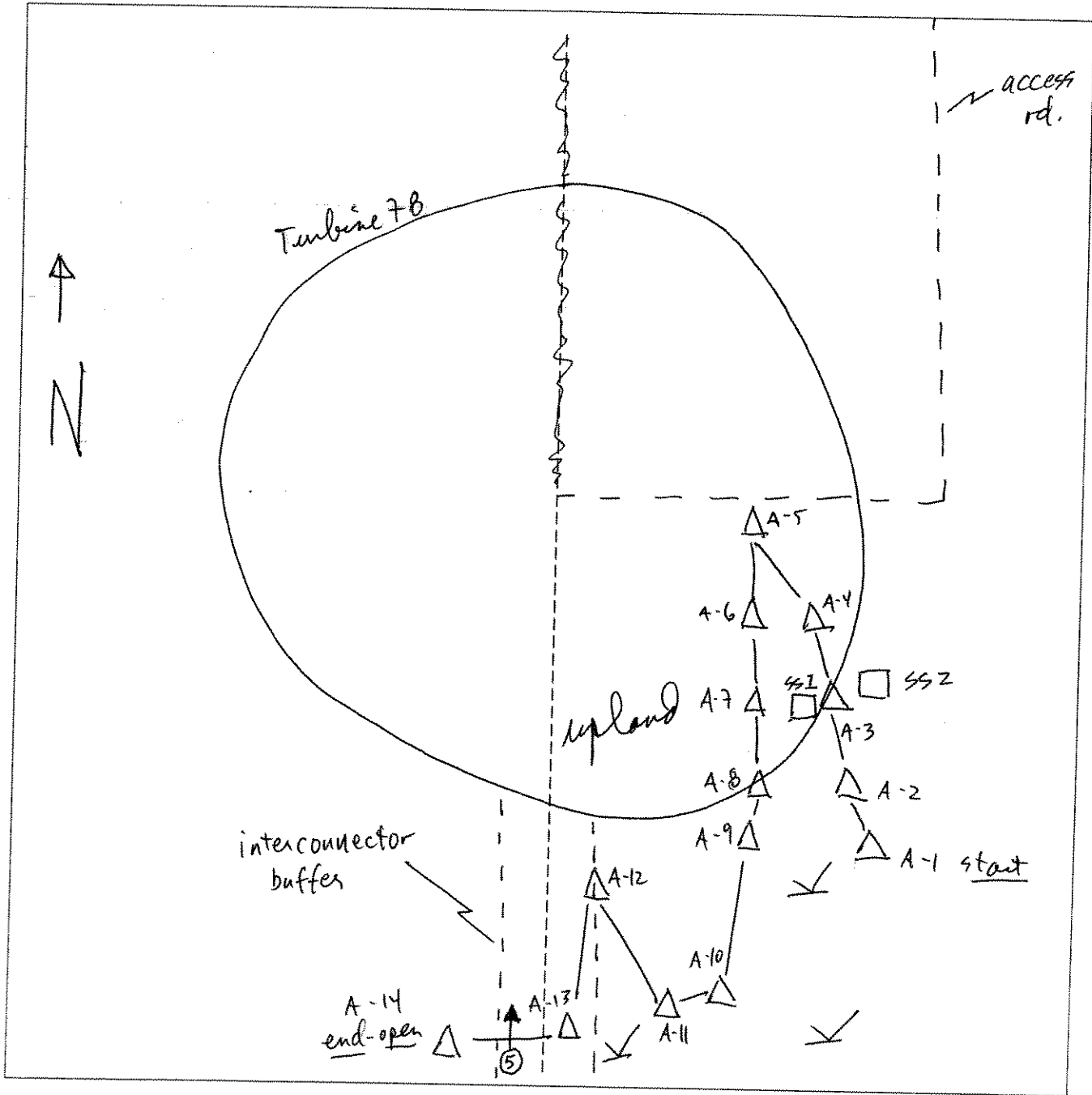
Yes  No  
 Yes  No  
 Yes  No

Is this Sample Station Point Within a Wetland? Yes  No

Remarks

SKETCH FORM

Wetland ID/Route #: 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> 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)
<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:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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"/> 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			

**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>BO</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>Hard 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): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ 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;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:

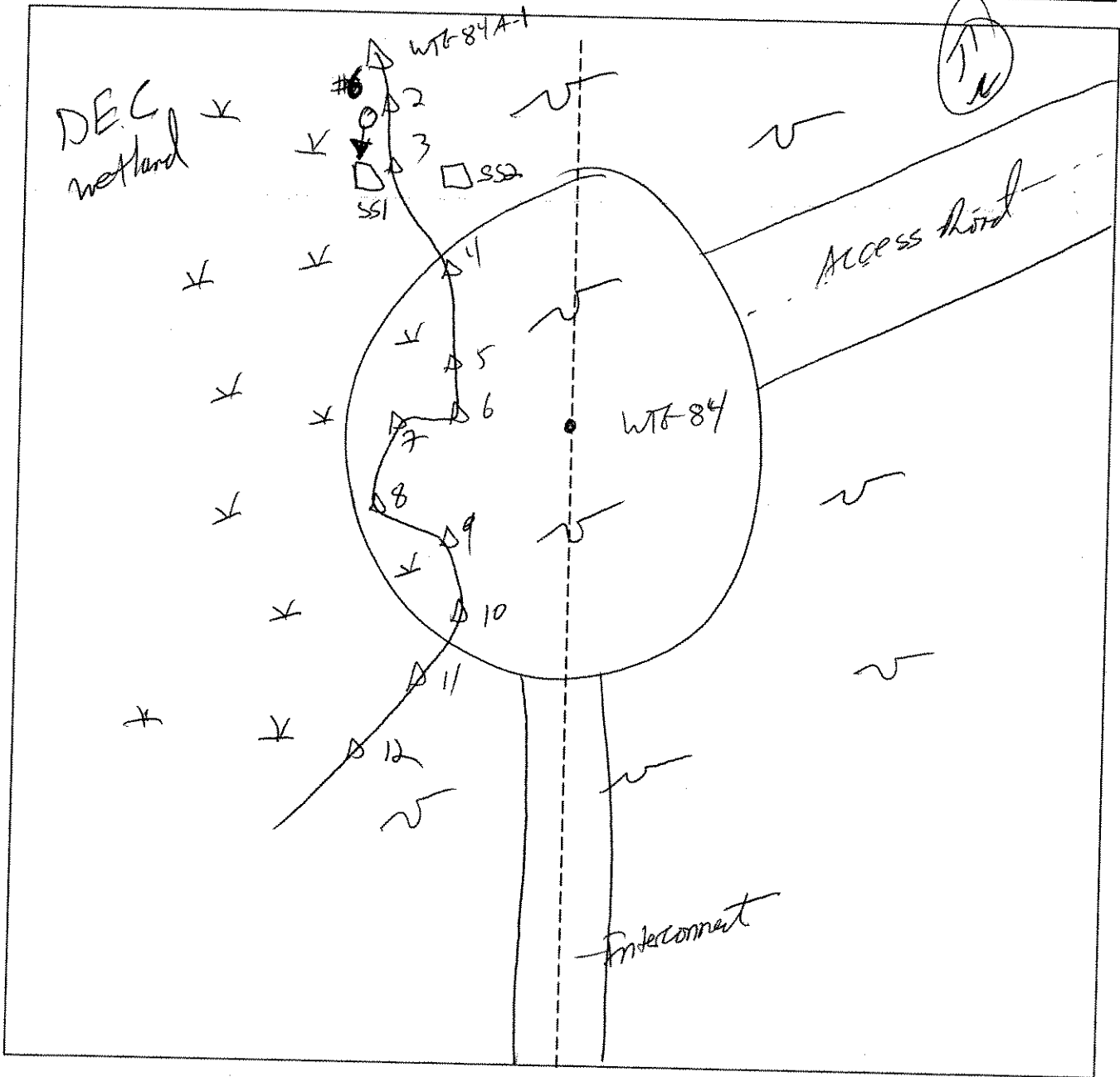
**WETLAND DETERMINATION**

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>Maule River</u> Applicant/Owner: <u>Maule 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 Spruce</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**

- 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 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>Maryflower</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:  
 W46-85A Upland

**SOILS**

Map Unit Name  
 (Series and Phase): M/A

Drainage Class: WD

Taxonomy (SubGroup): M/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	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-881

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-881</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>Baldcypress</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>Sawtooth 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): <u>N/A</u>		Drainage Class: <u>PD</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>0-3</u>	<u>Ap</u>	<u>10YR 2/1</u>	<u>none</u>	<u>none</u>	<u>FL</u>
<u>3-12"</u>	<u>Bw<sub>1</sub></u>	<u>10YR 5/1</u>	<u>none</u>	<u>none</u>	<u>FS L</u>
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:	

Date: 5/18/06  
 Community ID:  
 Plot ID:

WTG 85B + 85Z

**SOILS**

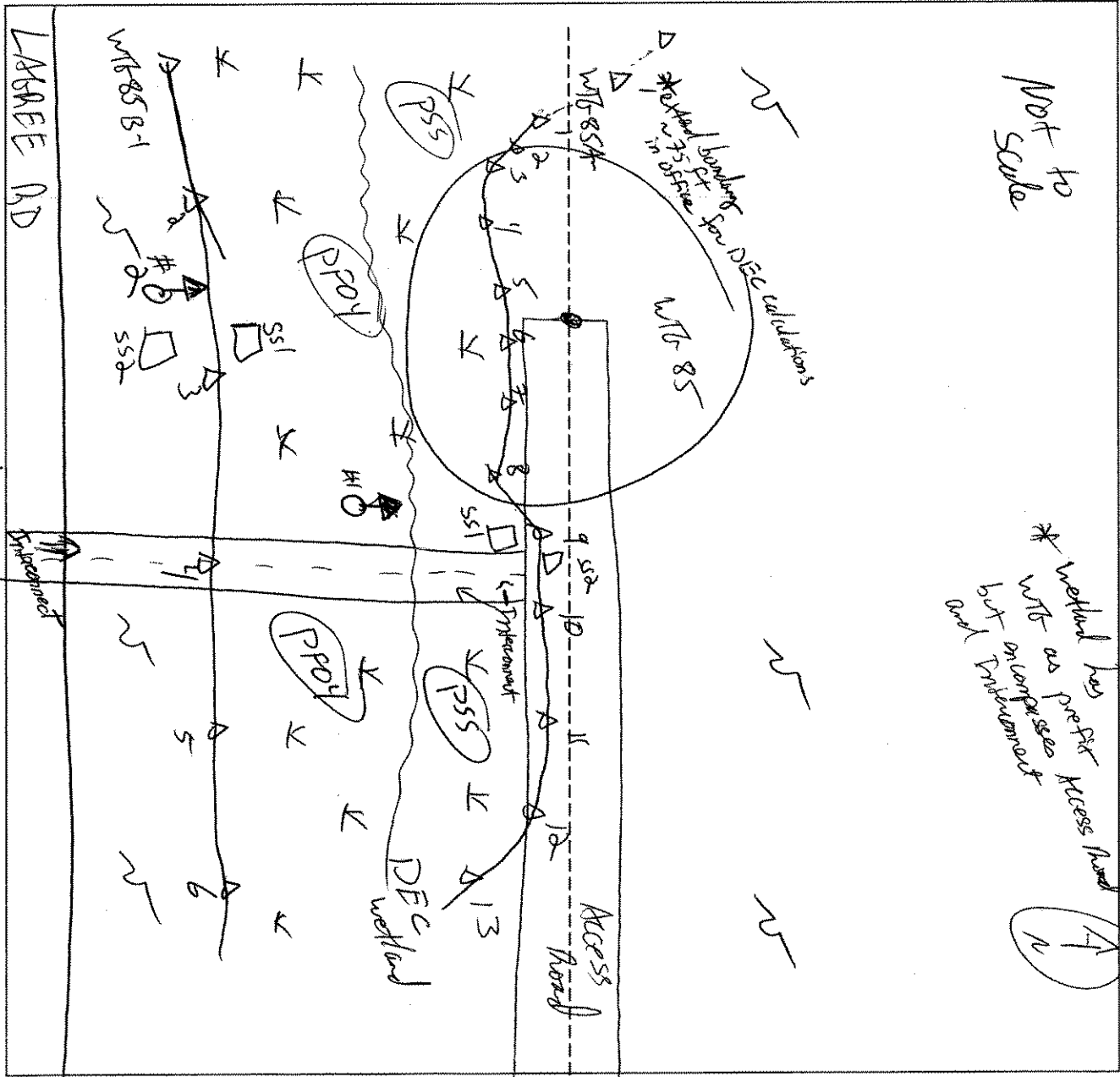
Map Unit Name (Series and Phase): N/A		Drainage Class: WD			
Taxonomy (SubGroup): N/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12"	Ap	10YR 4/6	None	None	Mixed Text. w/ Stones
Hydro Soil Indicators					
<input type="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 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 Roadside edge			

SKETCH FORM

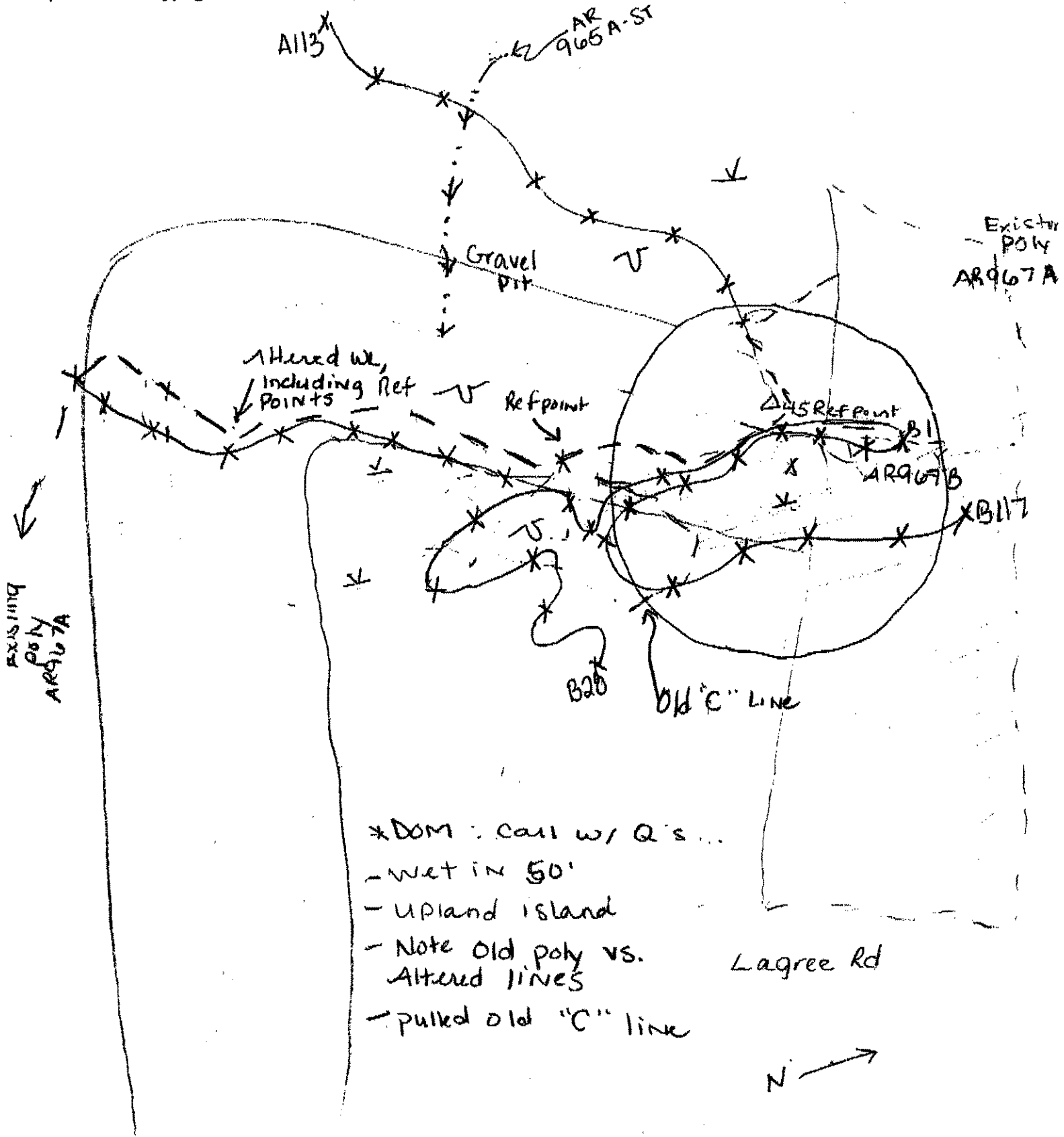
Wetland ID/Route #: <i>W1685-A/B</i>	Date: <i>5/17/06</i>	Time:
Initials of Delineators: <i>BR, KH</i>	Location: <i>W1685</i>	
Roll #: <i>KH</i>	Frames: <i>1, 2</i>	



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

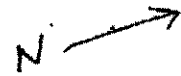


AK965 including AK967 A ST  
for turbine B5 + AR



- \*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
<i>1. Abies balsamea 30%</i>	<i>Tree</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Alnus incana spp. rugosa 15%</i>	<i>Tree</i>	<i>FACW+</i>	<i>10.</i>		
<i>3. Rubus idaeus 10%</i>	<i>Shrub</i>	<i>FAC-</i>	<i>11.</i>		
<i>4. A. incana spp. rugosa 30%</i>	<i>Shrub</i>	<i>FACW+</i>	<i>12.</i>		
<i>5. Ulmus americana 15%</i>	<i>Tree</i>	<i>FACW+</i>	<i>13.</i>		
<i>6. Carex spp. 5%</i>	<i>Herb</i>		<i>14.</i>		
<i>7. Dryopteris intermedia 15%</i>	<i>Herb</i>	<i>FACV</i>	<i>15.</i>		
<i>8.</i>			<i>16.</i>		
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. GRAB

**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>BO</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>PFO</u>

WTB 87B - Pines - 851

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: 63 Shrub: 36.0 Herb: 89.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam Fir</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Sliver</u>	<u>Shrub</u>	<u>FACW</u>	10.		
3. <u>Assorted Grasses</u>	<u>Herb</u>	<u>FAC</u>	11.		
4. <u>Mossy Fern</u>	<u>Herb</u>	<u>FACW</u>	12.		
5. <u>Sensitive Fern</u>	<u>Herb</u>	<u>FACW</u>	13.		
6. <u>Spunk-Cumard</u>	<u>Herb</u>	<u>FACW</u>	14.		
7. <u>Blk Cherry (seedling)</u>	<u>Herb</u>	<u>FACW</u>	15.		
8			16.		

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> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <u>at 4"</u> <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>4"</u>  Depth to Saturated Soil (in.): <u>4"</u>	
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 6/8	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: <u>Market Basin</u> Applicant/Owner: <u>Market Basin LLC</u> Investigator: <u>BP</u>	Date: <u>5/18/07</u> County: <u>Clinton</u> State: <u>MS</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 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>P20/P25</u> Transect ID: Plot ID: <u>P50</u>

WTG 87B-552

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <u>63.0</u> Shrub: <u>10.5</u> Herb: <u>38.0</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Baldwin Fir</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Sweetgum</u>	<u>Tree</u>	<u>FACW</u>	10.		
3. <u>Alder</u>	<u>Shrub</u>	<u>FACW</u>	11.		
4. <u>Wood Sora (Emergreen)</u>	<u>Herb</u>	<u>FACW</u>	12.		
5. <u>Bitter Cherry Seedlings</u>	<u>Herb</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>2/5 = 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	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; 19"</u> Depth to Saturated Soil (in.): <u>&gt; 14"</u>	
Remarks:	



Date: 5/18/06  
 Community ID:  
 Plot ID: PFO / PFA  
 WT 687B - 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:

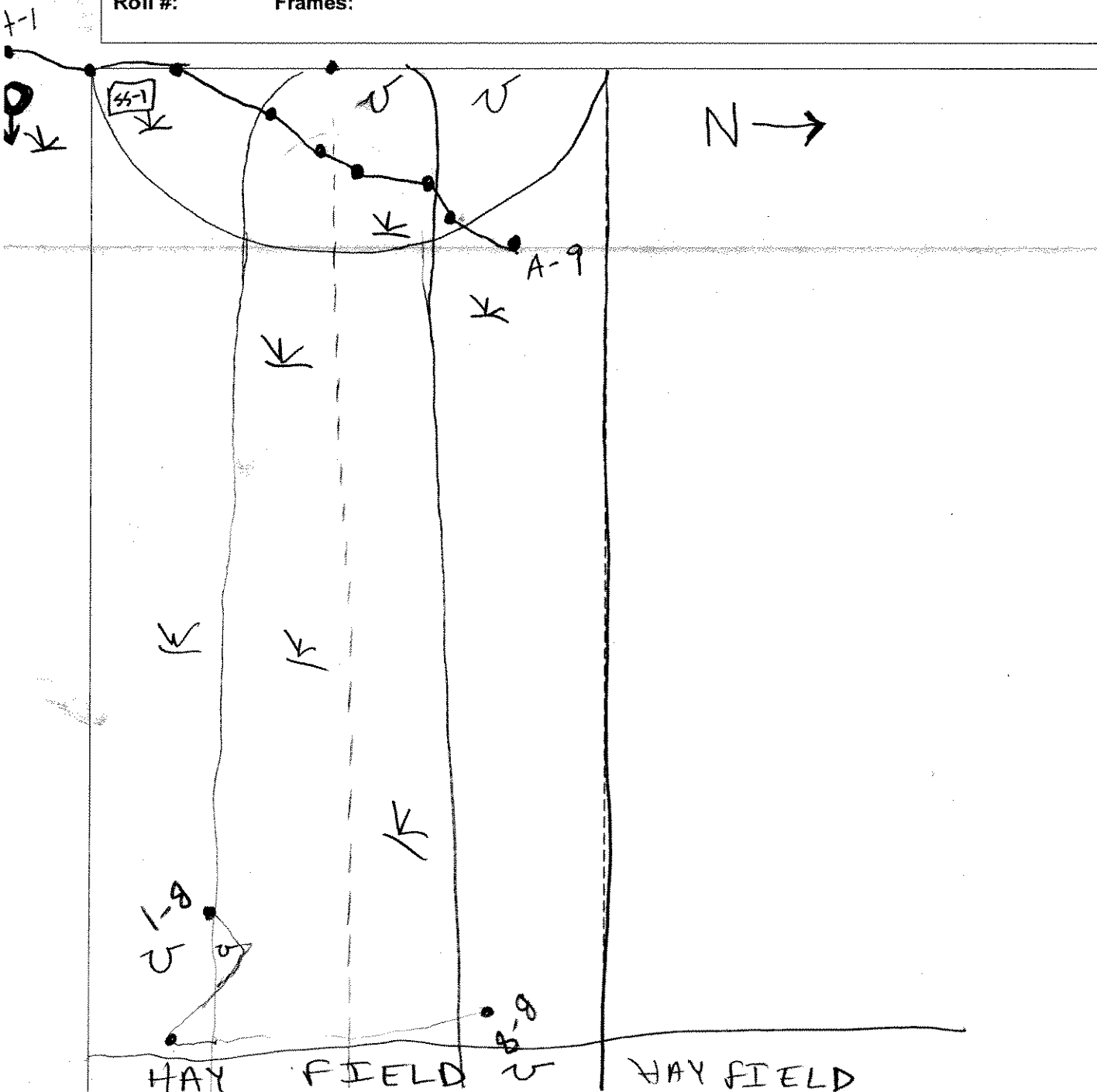
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <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

SKETCH FORM

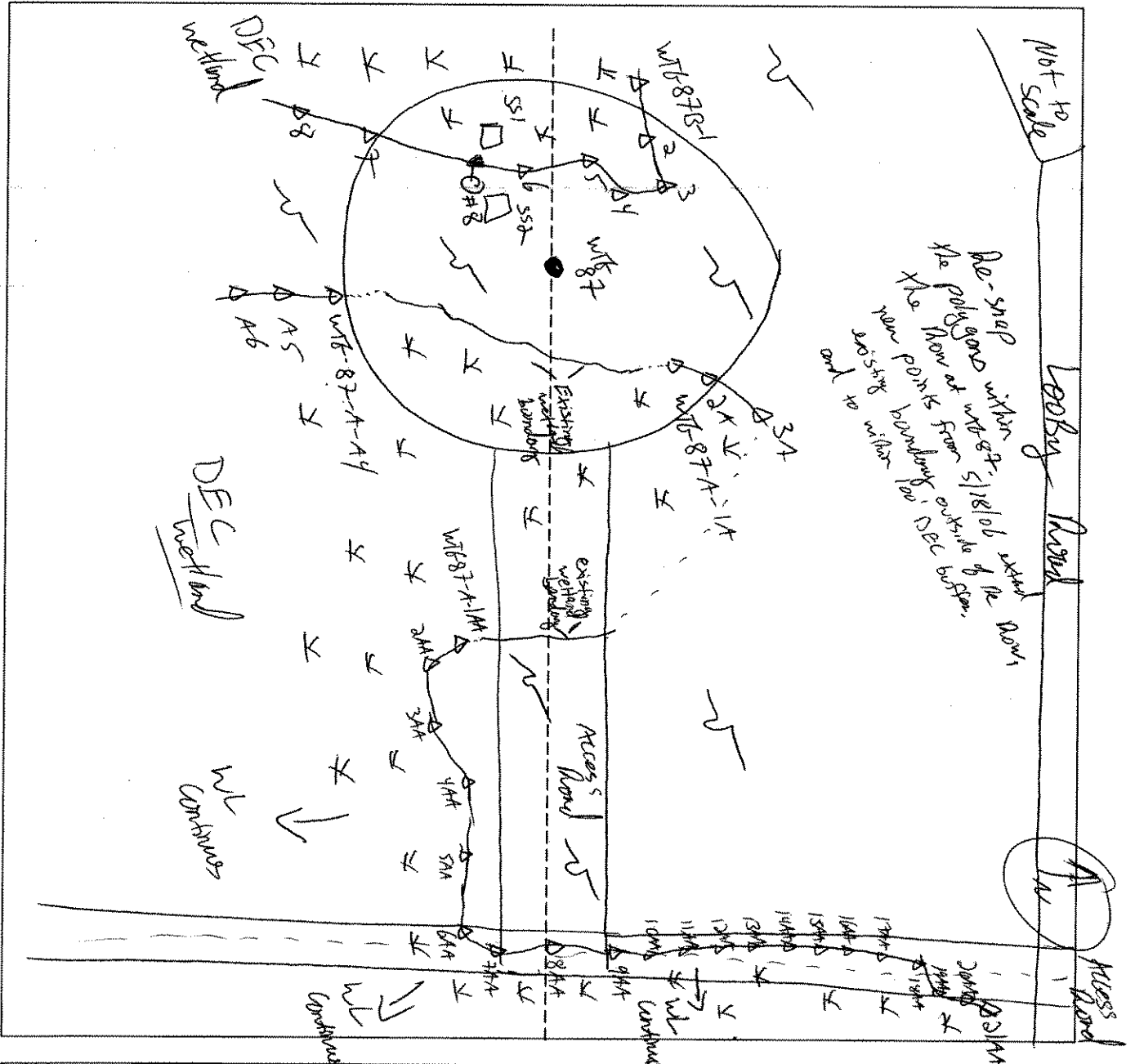
Wetland ID/Route #: WTG 87 A/B	Date: 10-11-05	Time:
Initials of Delineators: SR JA	Location: Clinton County Wind Farm	
Roll #:	Frames:	



Legend			
○ ↘	Photo Location/Direction	∇	Wetland
□	Sample Station	—	Upland
- - -	Centerline	—	Stream
▷	Flag	- . -	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 River</i> Applicant/Owner: <i>Mumble River 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)? 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>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      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.
0-4	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: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>9/19/06</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>pgs/PS8</i> Transect ID: Plot ID: <i>WTG 87C-852 -</i>

**VEGETATION**

Plant Community Classification: Percent Canopy Cover: Tree: <i>86.5</i> Shrub: <i>20.5</i> Herb: <i>3.0</i> 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>B14 Cherry</i>	<i>Tree</i>	<i>FACW</i>	10.		
3. <i>White Ash</i>	<i>Tree</i>	<i>FACU</i>	11.		
4. <i>B14 Cherry (Seedling)</i>	<i>Herb</i>	<i>FACU</i>	12.		
5. <i>B14 Cherry</i>	<i>Grass</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0/5</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; 16"</i>  Depth to Saturated Soil (in.): <i>&gt; 16"</i>	
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	FBV
8-16	Bw <sub>1</sub>	10YR 4/6	none	none	FBV

Hydro Soil Indicators

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

Remarks:

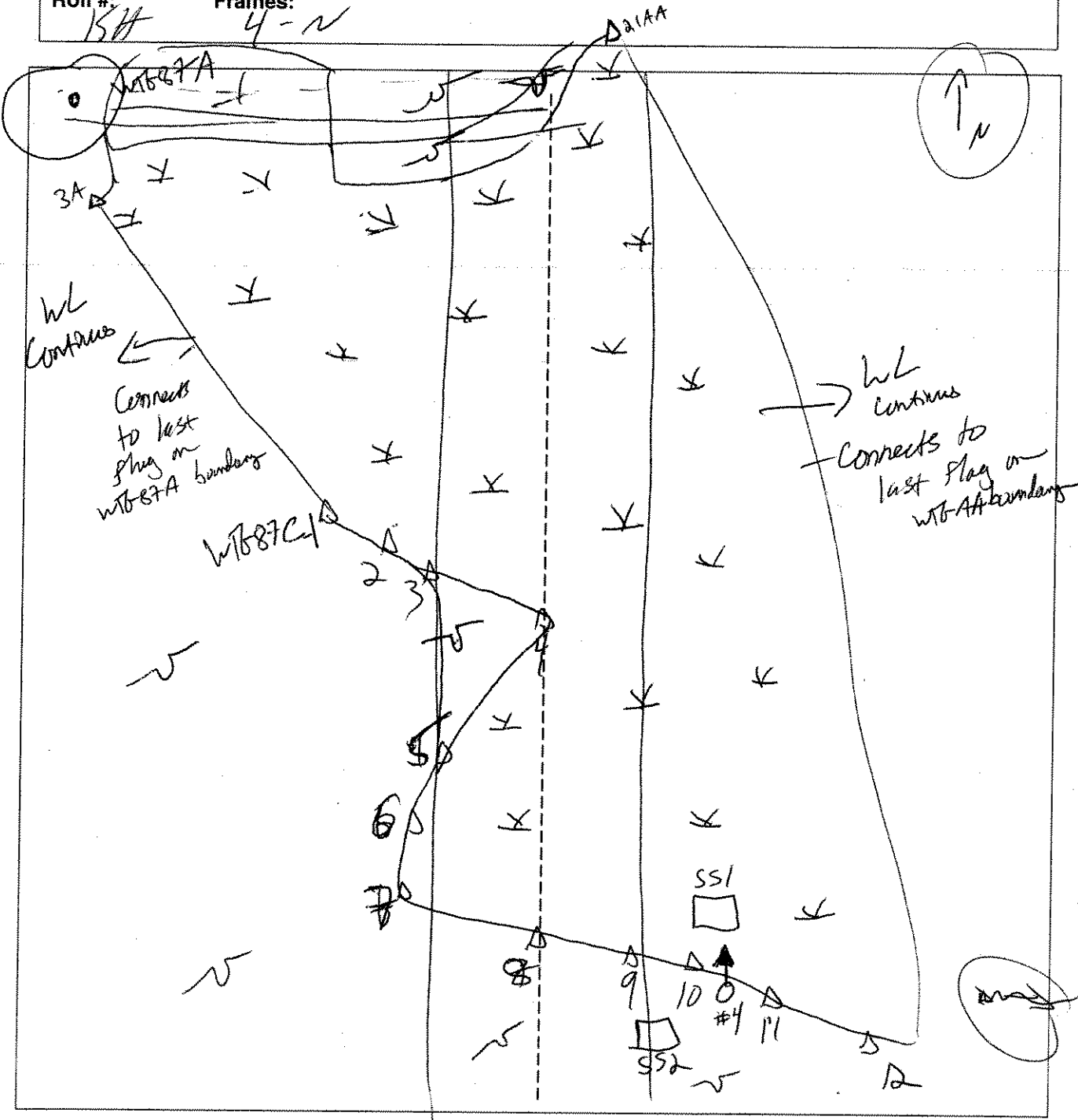
**WETLAND DETERMINATION**

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
	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>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 90-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>Spartina patens</i>	H	OBL	9. <i>Aster</i>	H	-
2. <i>Spartina patens</i>	H	FACW	10.		
3. <i>Spartina patens</i>	H	OBL	11.		
4. <i>Spartina patens</i>	H	OBL	12.		
5. <i>Spartina patens</i>	H	FACW	13.		
6. <i>Spartina patens</i>	H	-	14.		
7. <i>Spartina patens</i>	SH	FAC	15.		
8. <i>Spartina patens</i>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>early for Sclidago + 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 loess
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;">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;">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>Rubus (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</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	

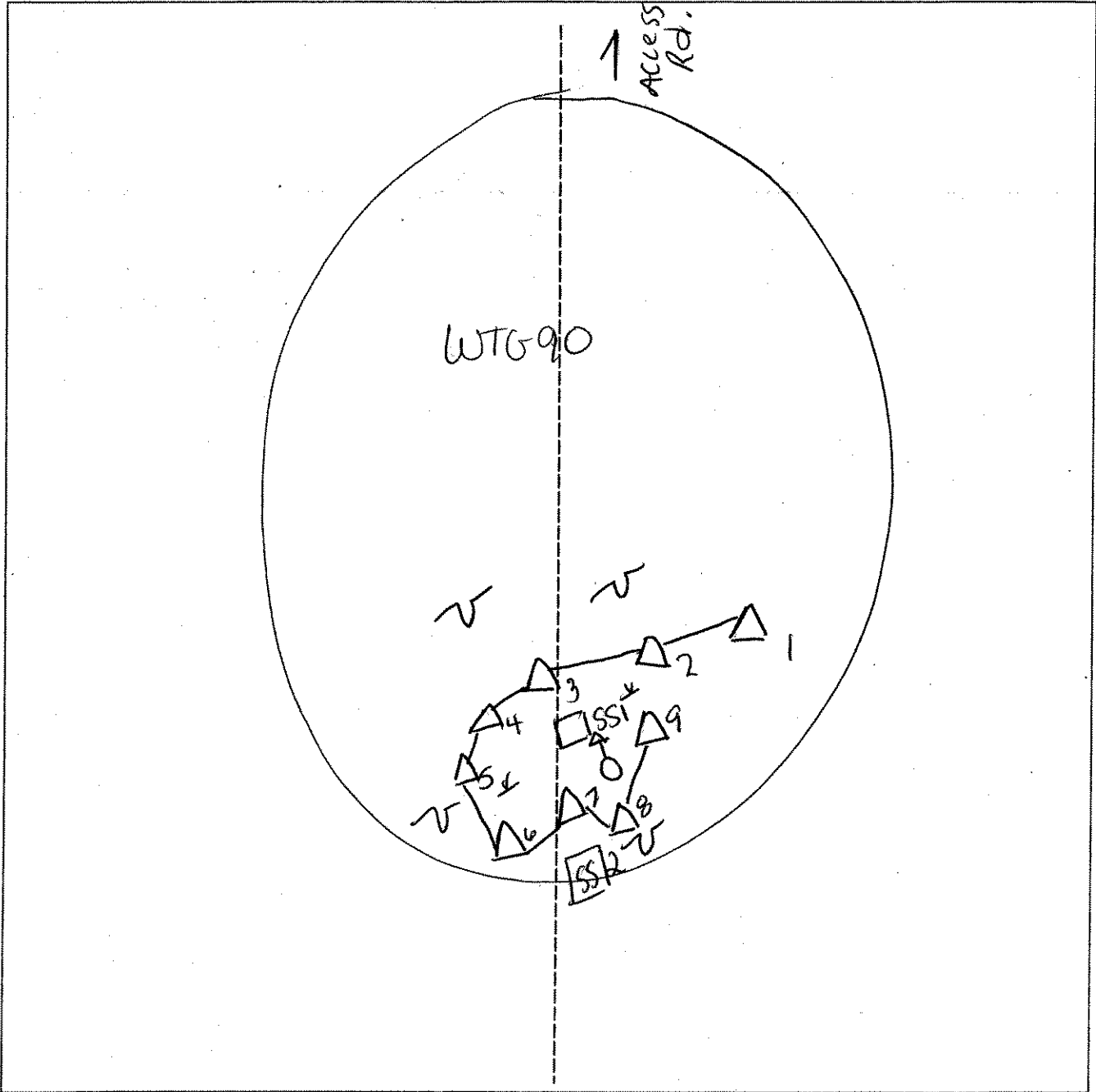


Photo Location/Direction	<b>Legend</b>	Wetland	N 
Sample Station		Upland	
Centerline		Stream	
Flag		Intermittent Stream	

**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)? 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: 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:

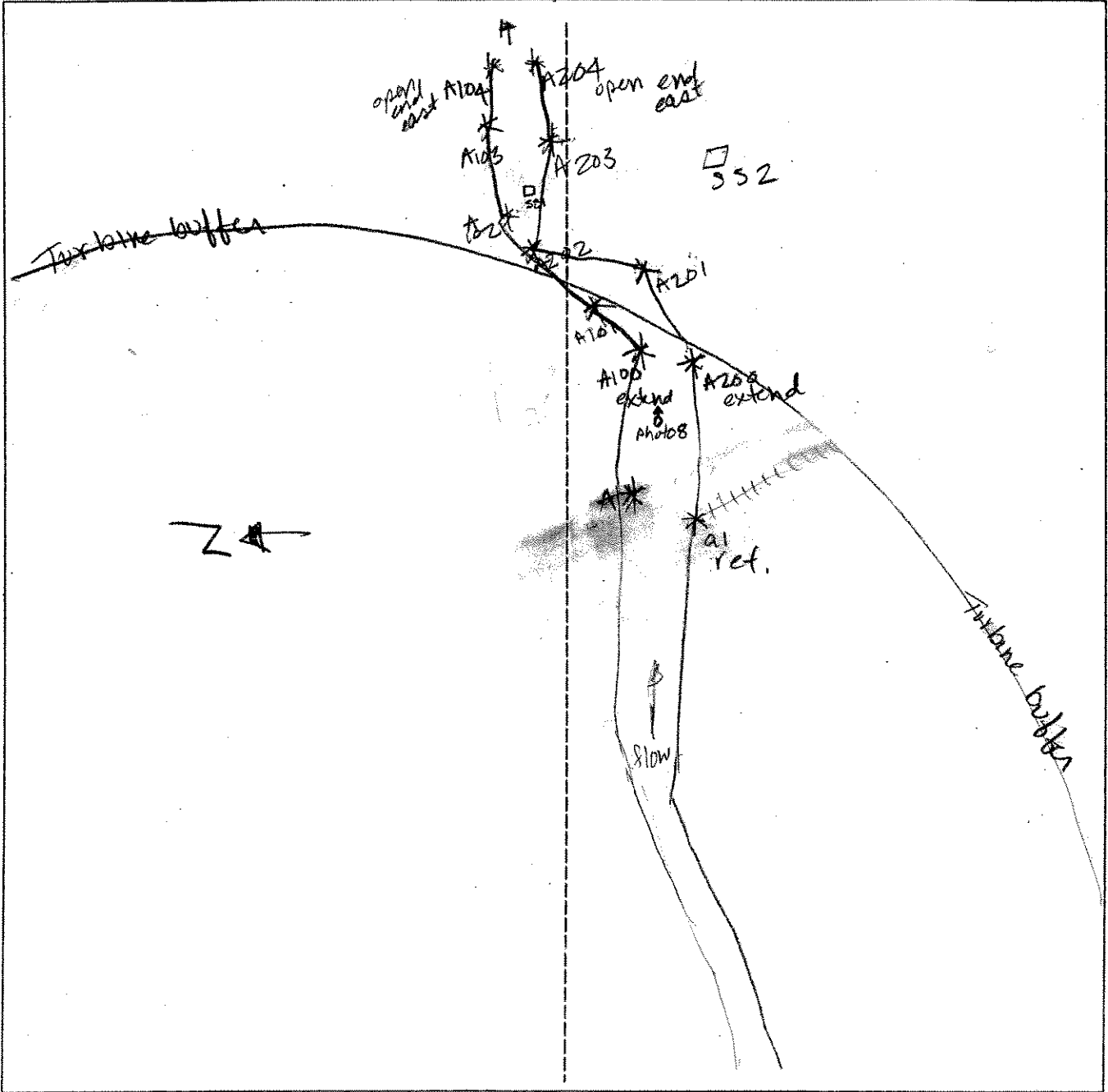
**WETLAND DETERMINATION**

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+	B <sub>w</sub>	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**

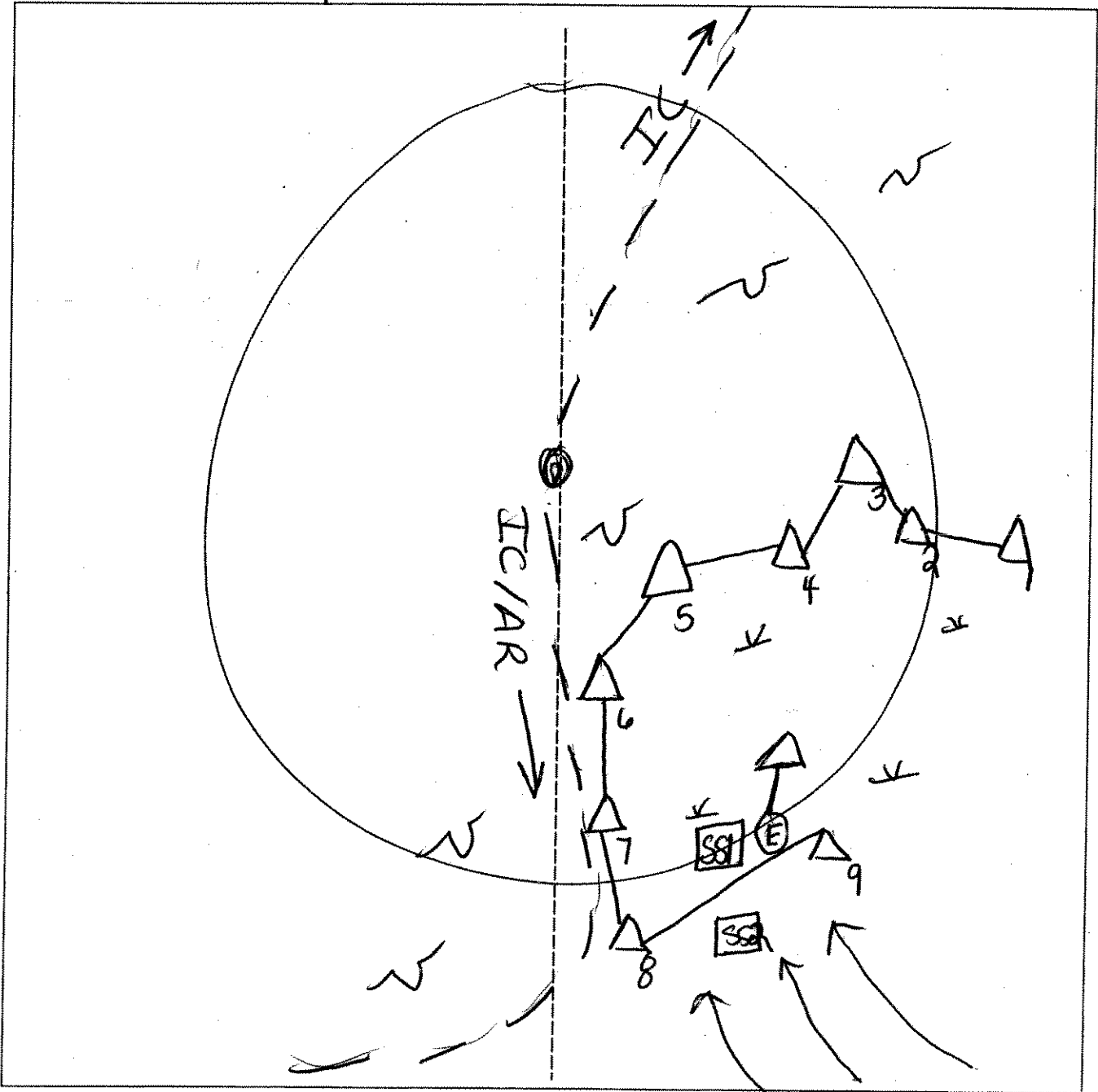
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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? <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: <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 Butternut ( <i>R. aerig</i> )	H	FAC+	11.		
4. <i>Callium 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.):	<p style="text-align: right; font-size: 1.2em;"><u>None</u></p>
Remarks:	

Date: 7-11-06  
 Community ID: Uland  
 Plot ID:

WTG 93 992

**SOILS**

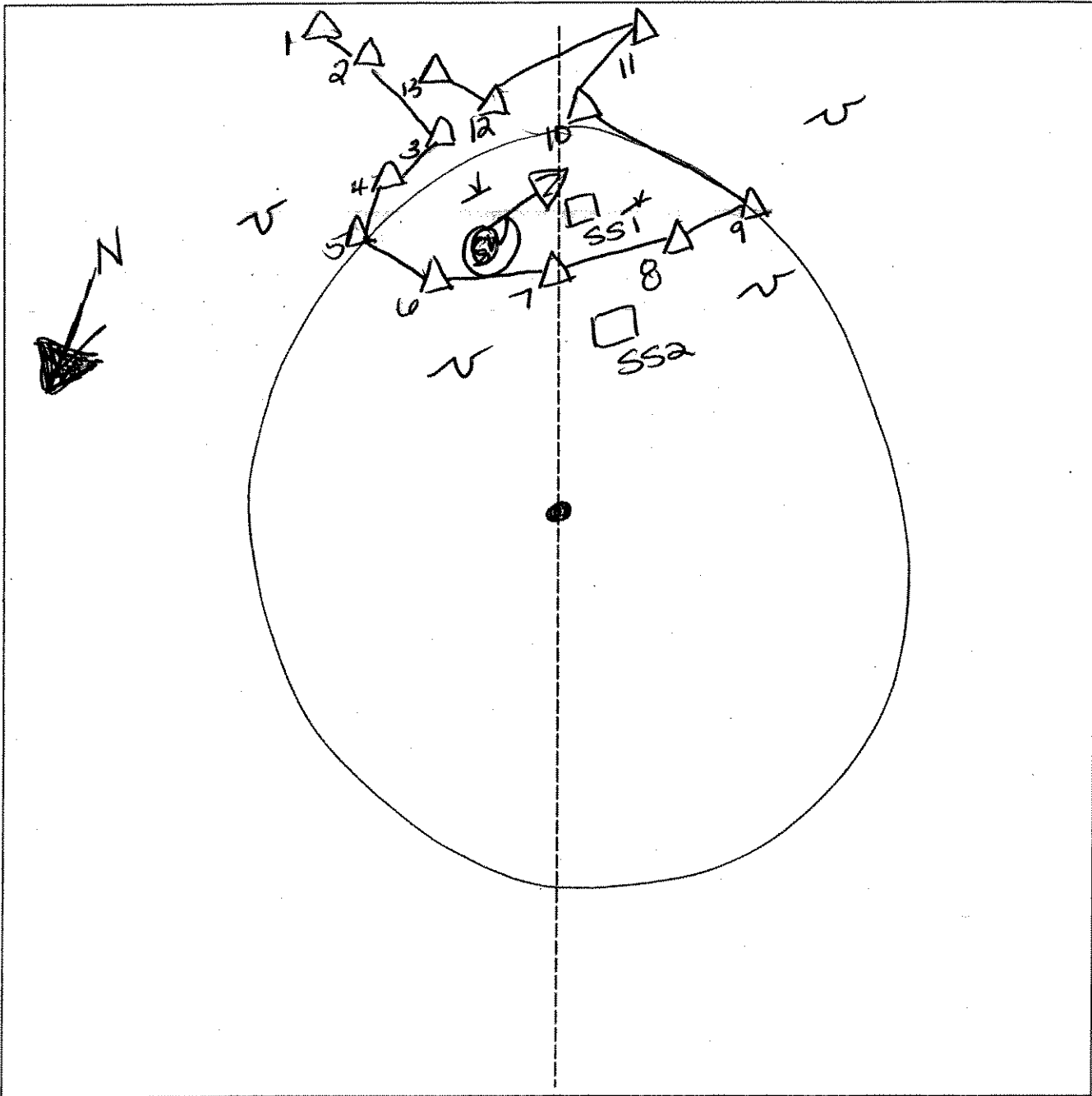
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Grass</u>	<u>H</u>	<u>—</u>	11.		
4. <u>POSSIBLE SPOKE GRASS</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>PARA 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-): \_\_\_\_\_

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"	Ts	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: -

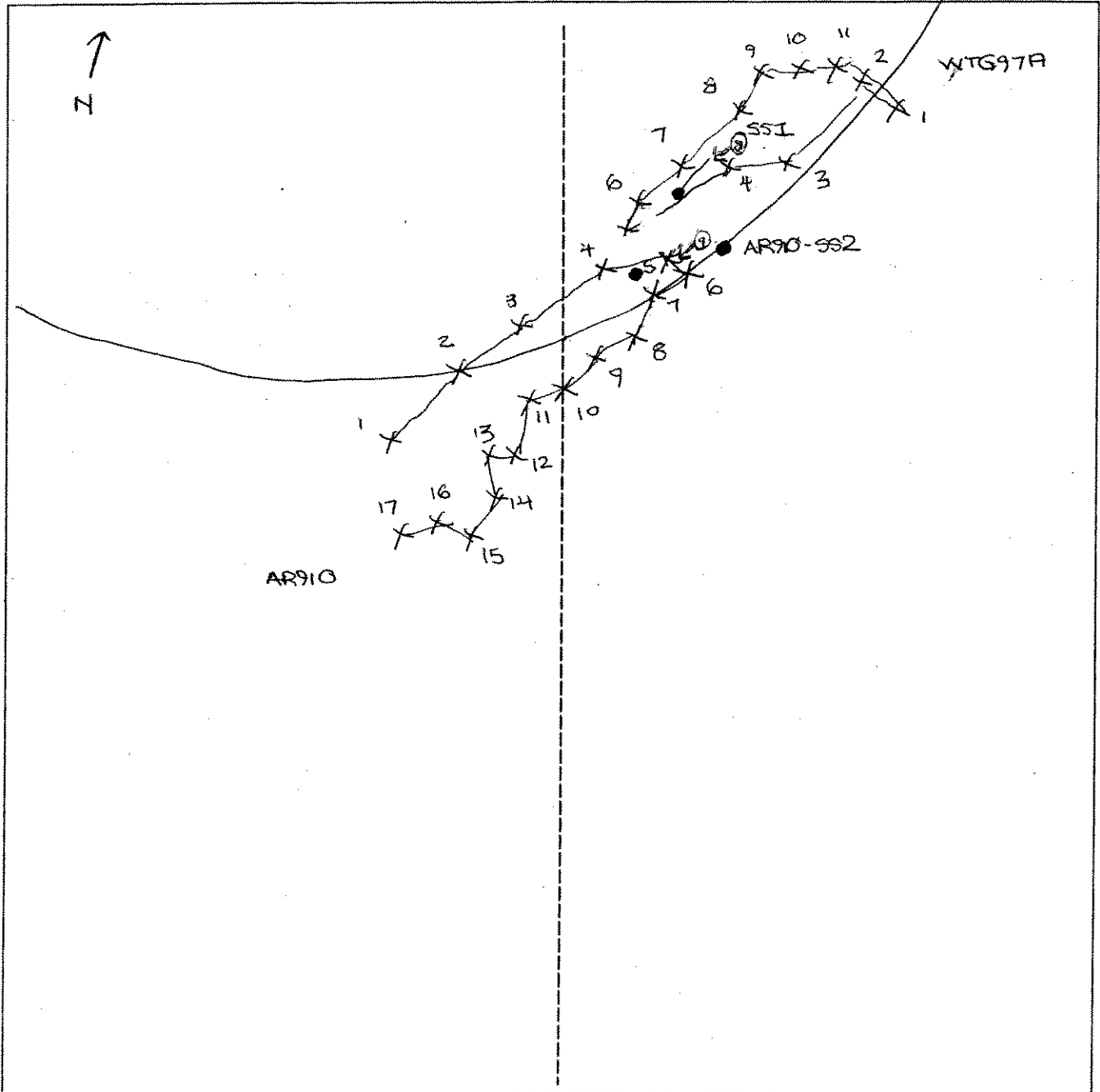
**WETLAND DETERMINATION**

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 >		



<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>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)? <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>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>WT0112B5D-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>Common Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Northern Redwood</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Alder Rubrum</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Low Bush Shrub</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?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks: pit # 4 loose we ss1			

**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>KHN</i>	Date: <i>5/11-06</i> County: <i>Clinton</i> State: <i>NH</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>WT0112 BFA-38</i>

**VEGETATION**

Plant Community Classification: <i>Deciduous Forest</i> 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>Aspen</i>	<i>T</i>	<i>FAC</i>	9. <i>Lichen</i>	<i>H</i>	<i>NEW</i>
2. <i>Aspen</i>	<i>S</i>	<i>FACV</i>	10.		
3. <i>Aspen</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>White Pine</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>White Pine</i>	<i>H</i>	<i>FACV</i>	13.		
6. <i>Blueberry</i>	<i>H</i>	<i>FACV-</i>	14.		
7. <i>Blueberry</i>	<i>H</i>	<i>FACV</i>	15.		
8. <i>Blackberry</i>	<i>H</i>	<i>FACV</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>26%</i>					
Remarks: <i>* Not indicated</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	<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>NA</i> Depth to Free Standing Water in Pit (in.): <i>NA</i> Depth to Saturated Soil (in.): <i>NA</i>	
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"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: *repeal of auger 6 notes*

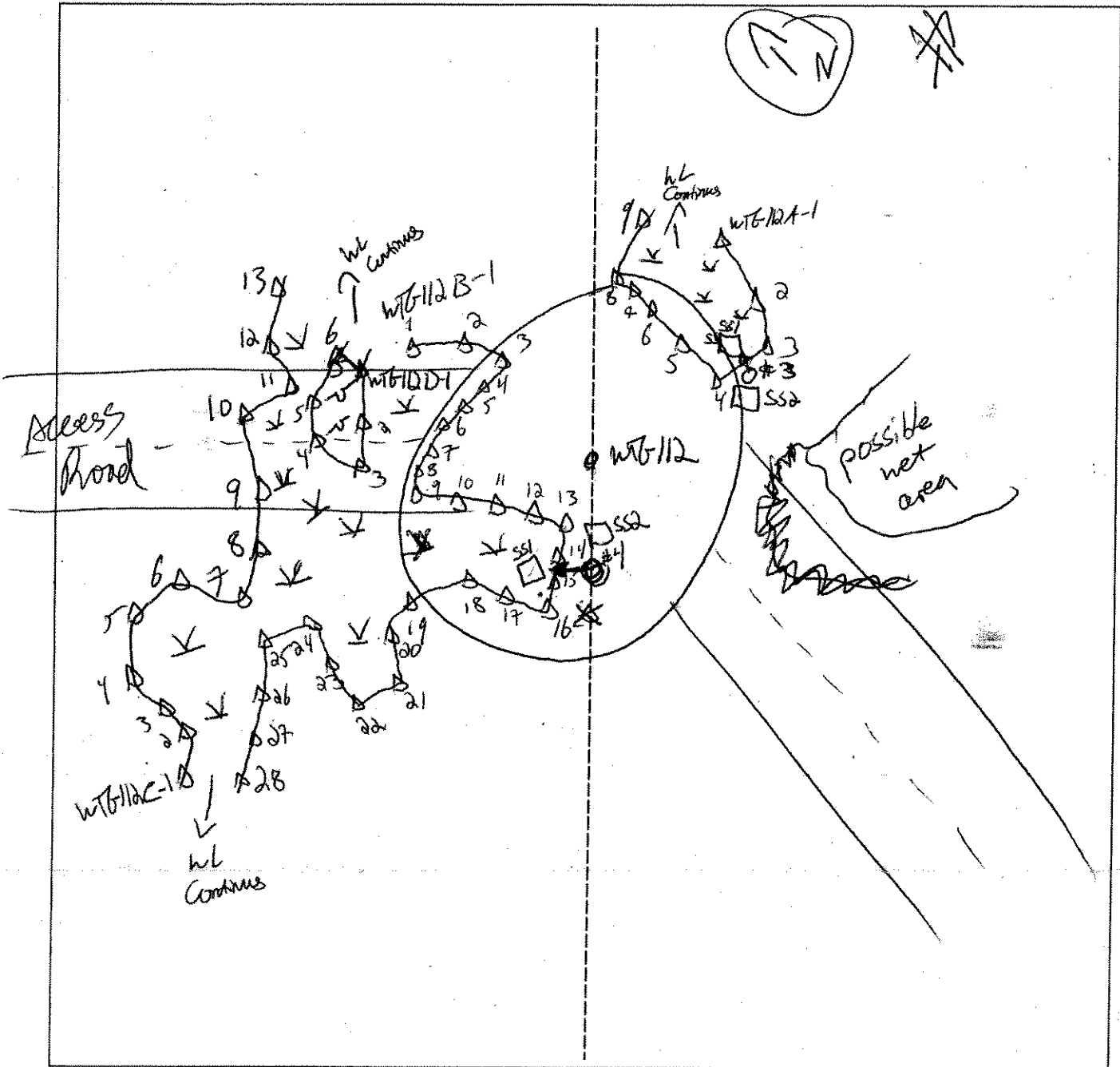
**WETLAND DETERMINATION**

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>WTB 114A</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>TB/H</u>	<u>FAC</u>	9.		
2. <u>Gray birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>SDHAG 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	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>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 WTB 114A -&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: 5590 Shrub: 486 Herb: 6896 Vine: 7

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T/S/H	FAC	9. Striped maple	S/H	FACU
2. Clubmoss	H	-	10. Sm White trillium	H	FAC
3. Whorled Ailanth	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. Resacca 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:  
 Reduc'd to 9" 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>CLAY</u> State: <u>DE</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.)	Community ID: <u>Wetlands</u> Transect ID: Plot ID: <u>WTB11475-857</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>GRASS</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>GRASS</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>CLUB MOSS</u>	<u>H</u>	<u>-</u>	12.		
5. <u>WILLOW</u>	<u>H</u>	<u>-</u>	13.		
6. <u>SPIRIT MOSS</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>ALDER</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):</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>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:

BWTS 114TS-587

**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	7.5YR 2/3	—	—	OK 6 Am
3-6	A	10YR 2/1	—	—	5 IT 10 Am *
6-12	B	10YR 5/2	8YR 5/1	8YR 5/1	5 It 0 Am, 7 C
		10YR 4/3			

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: *Referral of parent 124* *- 5 blk muck*

**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>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	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: 5-12-06  
 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:					

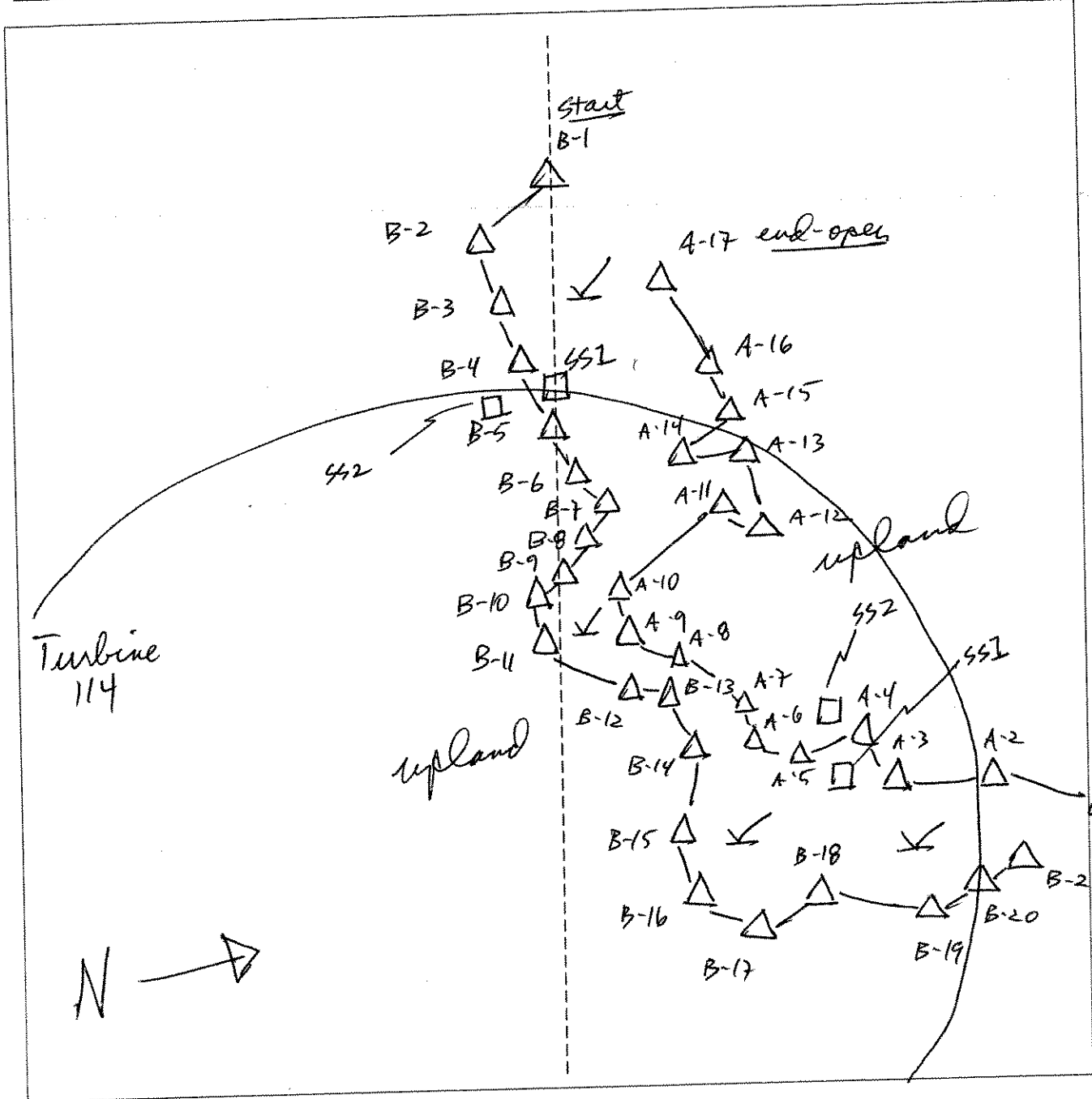
**WETLAND DETERMINATION**

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> <sup>*1</sup>			
5. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC-</u>			
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u> <sup>*2</sup>			
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>					
Remarks: <sup>*1</sup> - Not listed; presumed UPL <sup>*2</sup> - 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 (wheelruts)			

**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>*UPL</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**

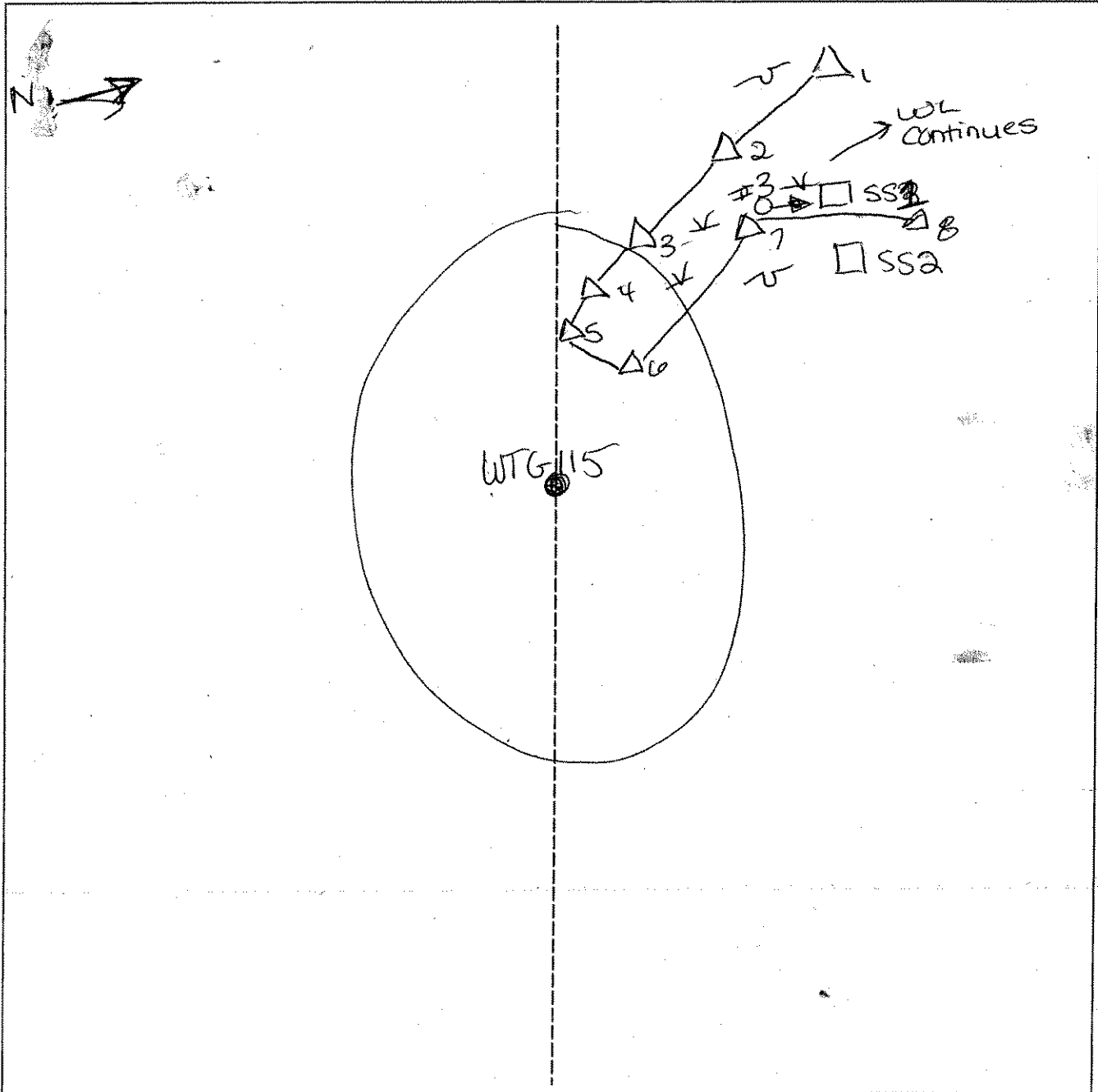
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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

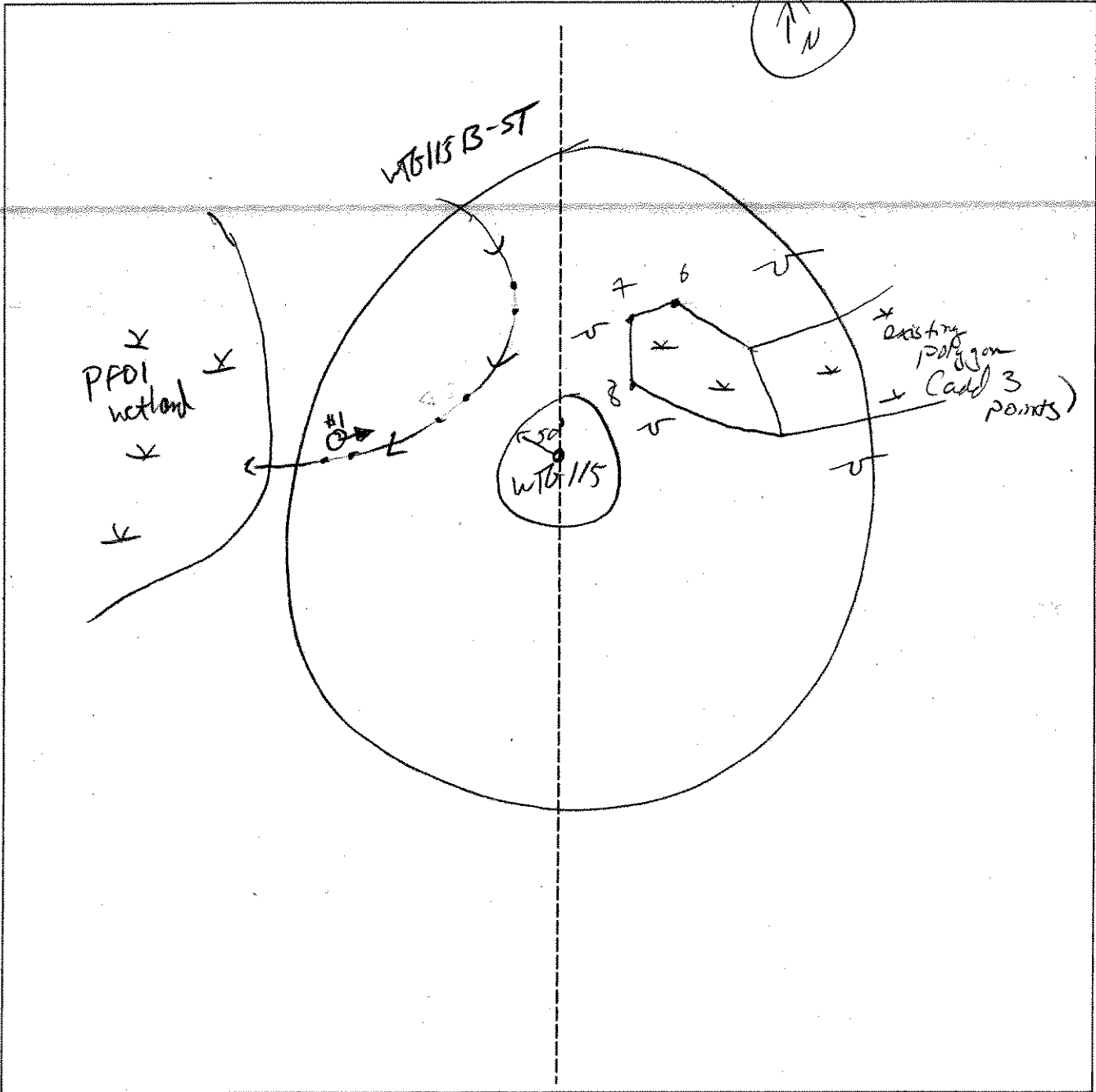
Wetland ID/Route #: WTG 115A	Date: 5-10-06	Time:
Initials of Delineators: RH	Location: Turbine WTG 115A	
Roll #: RH	Frames: B 7N	



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	



Date: *7/25/06*  
 Community ID: *wetland*  
 Plot ID: *WB116A*

**SOILS**

Map Unit Name (Series and Phase):				Drainage Class:		
Taxonomy (SubGroup):				Field Observations Confirm Mapped 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: *No soils - organic layer on top of exposed 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 type="radio"/> Yes	<input checked="" type="radio"/> No	
Remarks: <i>Atypical wetland - no drainage due to exposed bedrock</i>			

**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%; text-align: center;"> <tr> <td>Yes <input type="radio"/></td> <td>No <input checked="" type="radio"/></td> </tr> <tr> <td>Yes <input checked="" type="radio"/></td> <td>No <input type="radio"/></td> </tr> <tr> <td>Yes <input checked="" type="radio"/></td> <td>No <input type="radio"/></td> </tr> </table> Community ID: <i>upland</i> Transect ID: Plot ID: <i>WB-116A-552</i>	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"/>						

**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:	

Date: 7/25/06  
 Community ID: upland  
 Plot ID: W0116A-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)		
Remarks: <i>No soils - thin organic layer on top of exposed bedrock</i>					

**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: 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/PEM</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>Shore 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? 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: 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"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input 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 soils - organics on top of shallow bedrock

**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: 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	



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.
Hydro Soil Indicators					
<input type="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: <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:	

Date:  
 Community ID:  
 Plot ID:

**SOILS**

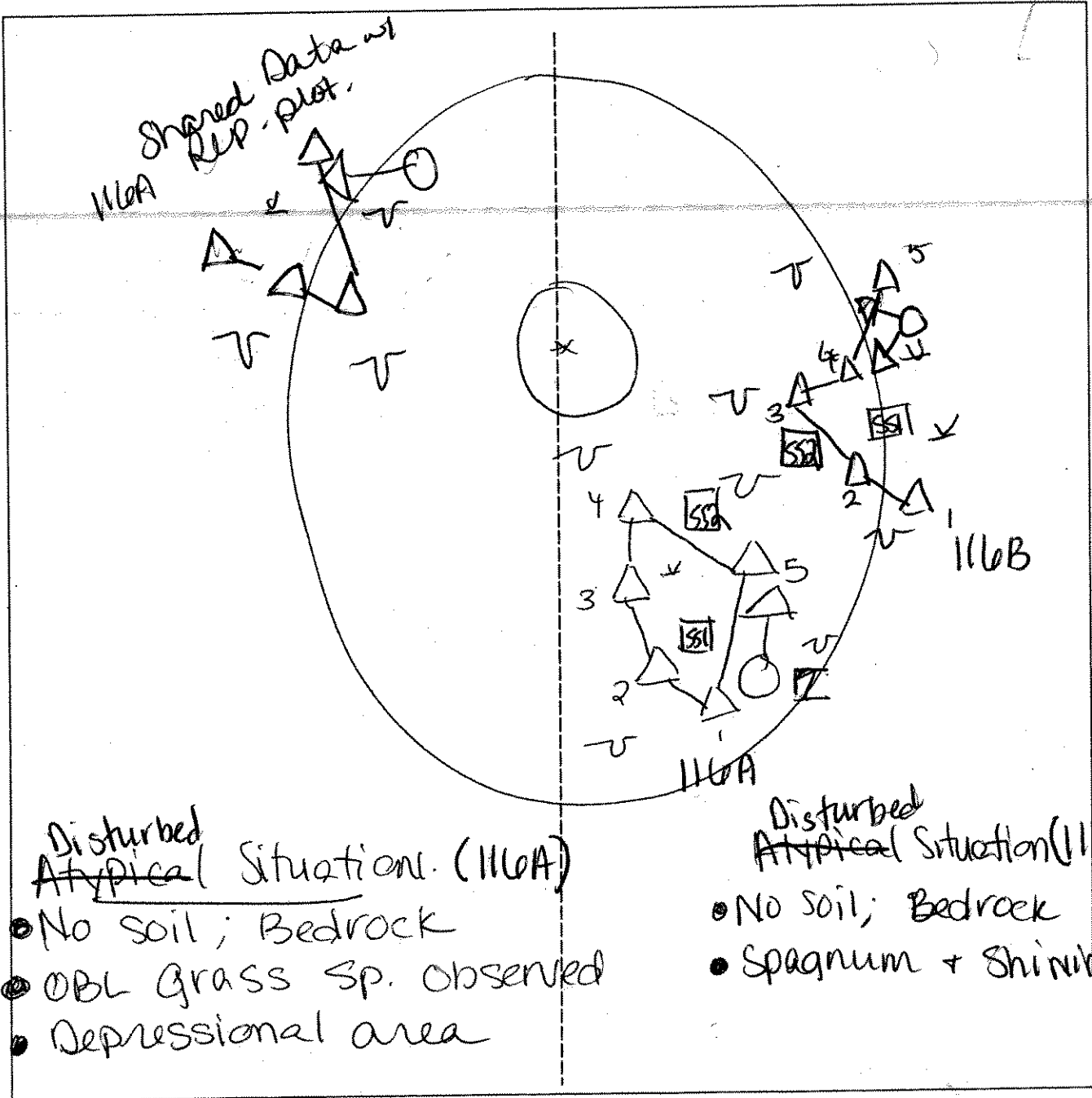
Map Unit Name (Series and Phase):  Taxonomy (SubGroup):		Drainage Class:  Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
Hydro Soil Indicators					
<input type="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 Yes Yes	<del>No</del> <del>No</del> <del>No</del>	Is this Sample Station Point Within a Wetland? Yes <u>No</u>
Remarks <div style="text-align: right; margin-right: 100px;"> <i>- logged area            - shallow bedrock. no soils</i> </div>			

SKETCH FORM

Wetland ID/Route #: WTG 116A/B/C	Date: 7-25-06	Time:
Initials of Delineators: KH	Location: Turbine 116	
Roll #: 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? <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>WT617.708A</u> Plot ID: <u>SS1</u>

**VEGETATION** PFD/PSS

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>50%</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>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>Speltz willow</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-): <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	Wetland Hydrology Indicators: Primary Indicators: <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 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>12"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/10/06  
 Community ID: wet(m)  
 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: <u>Maudie River</u> Applicant/Owner: <u>Maudie River, LLC</u> Investigator: <u>GA, RA</u>	Date: <u>8/10/06</u> County: <u>Olivia</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>W06177-708A</u> Plot ID: <u>552</u>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 75% Shrub: 35% 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.		
2. <u>White pine</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Club moss</u>	<u>H</u>	<u>-</u>	11.		
4. <u>May flower</u>	<u>H</u>	<u>FAC -</u>	12.		
5. <u>Gray Birch</u>	<u>T/S</u>	<u>FAC</u>	13.		
6. <u>Spikerush fern</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>L. N. Blueberry</u>	<u>S</u>	<u>FACU-</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/9

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  <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>
<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 at 9"</u></p>	
<p>Remarks:</p>	

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:					

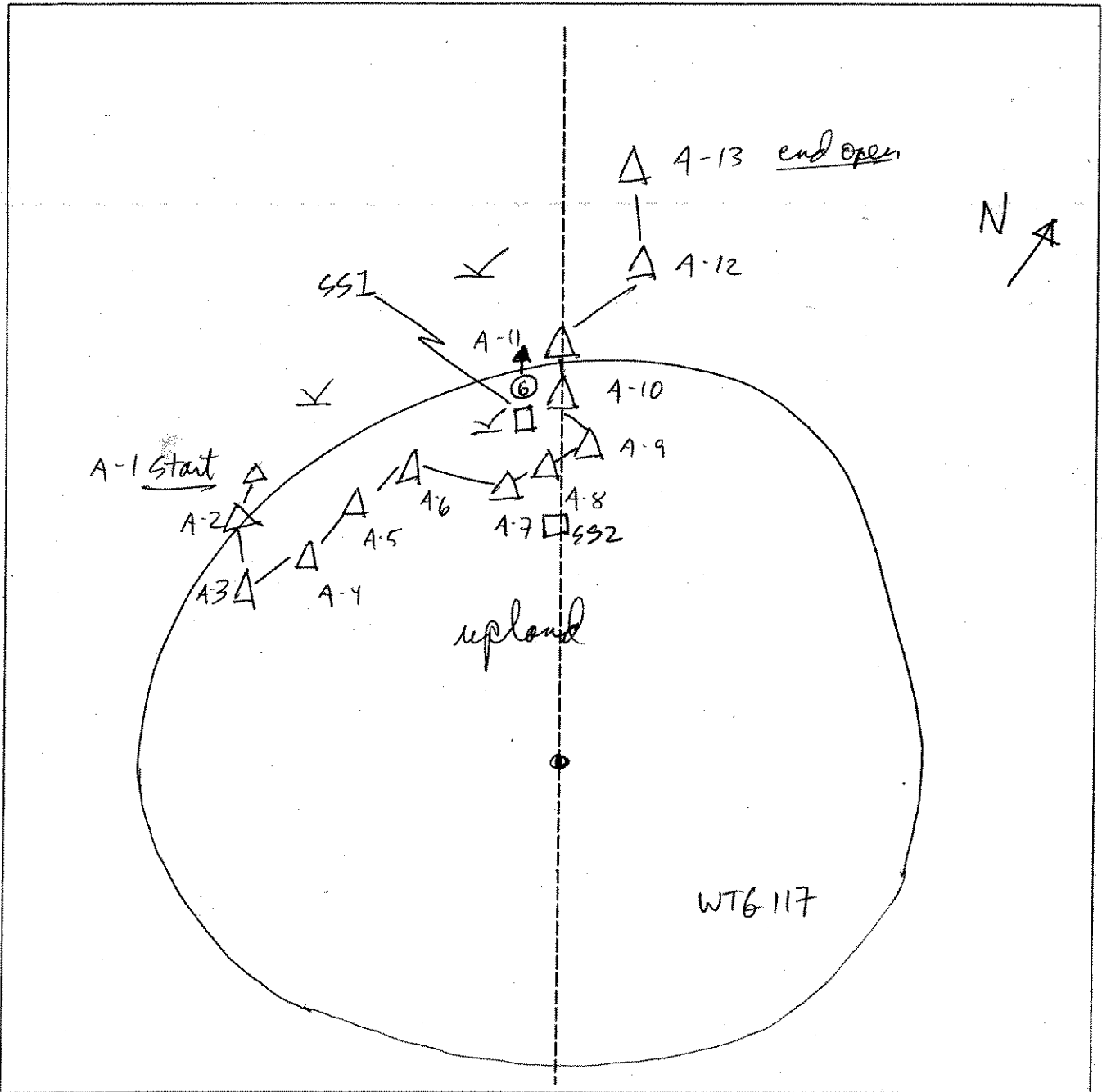
**WETLAND DETERMINATION**

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>JAN. 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;"><input type="radio"/> Yes</span> <span style="margin-left: 20px;"><input checked="" 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>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>Serotia henry</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-Like Clubmoss</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:  
*REPAIR of Area at 14"*

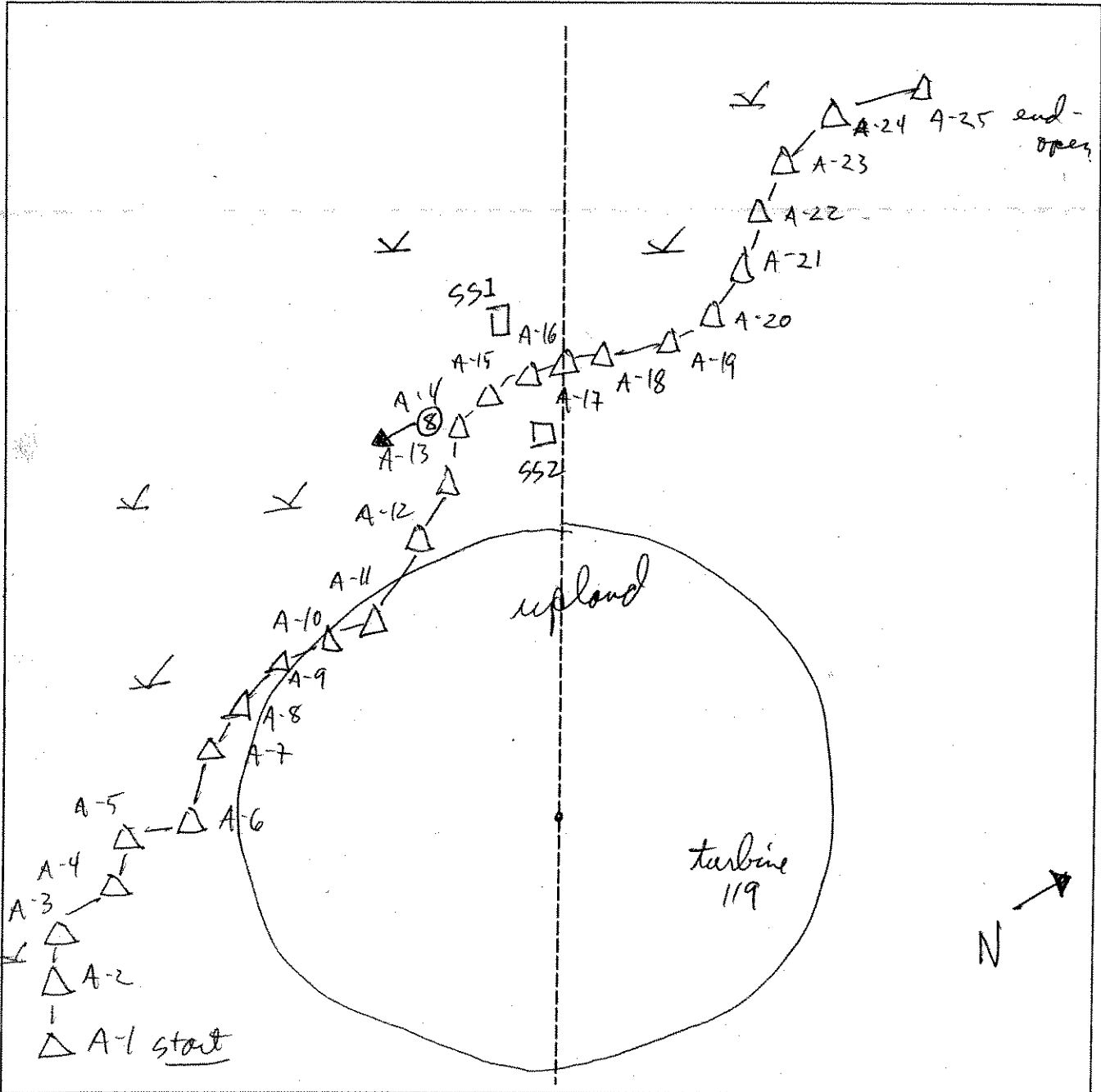
**WETLAND DETERMINATION**

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	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>MARIE River, LLC</u> Investigator: <u>PDS, P</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** PFO/PSS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>70%</u> Herb: <u>60%</u> Vine: <u>0</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>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>Torned 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-): <u>9</u>   <u>11</u>					
Remarks: <u>Trees going up to 30'</u> <u>&amp; Assume DBL</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 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 9 -&gt; SE from SS1 at wetland</u>	

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: Rebasal 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; 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>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>Whorled wood Aster</u>	<u>H</u>	<u>UPL</u>	13.		
6. <u>Club moss</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Service berry</u>	<u>S</u>	<u>FAC</u>	15.		
8. <u>Quaker Oats</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 Riva</u> Applicant/Owner: <u>MARIE Riva, 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="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>WTG119C</u> Plot ID: <u>SS2</u>

**VEGETATION**

Young Decid Upland Forest

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>85%</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>Red maple</u>	<u>T1S/H+</u>	<u>FAC</u>	9. <u>L.T. Blackberry</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 flower</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-): <u>5/12</u>					
Remarks: <div style="font-size: 1.5em; margin-top: 10px;">up to 40' tall</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 <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil 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	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>MARSH RIVER</u>	Date: <u>5/11/06</u>
Applicant/Owner: <u>MARSH RIVER, LLC</u>	County: <u>Clinton</u>
Investigator: <u>TRD, 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>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>	Date: <u>5/11/06</u>
Applicant/Owner: <u>MARDIE RIVER LLC</u>	County: <u>Critt</u>
Investigator: <u>RT</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>
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: <u>WTB119C</u>
	Plot ID: <u>554</u>

**VEGETATION** Upland Forest (Decid)

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: Tree: 80% Shrub: 40% Herb: 30% Vine: 0

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-): 5/9

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	<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>Photo 1 -&gt; W bank of rd 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 @ 10" depth

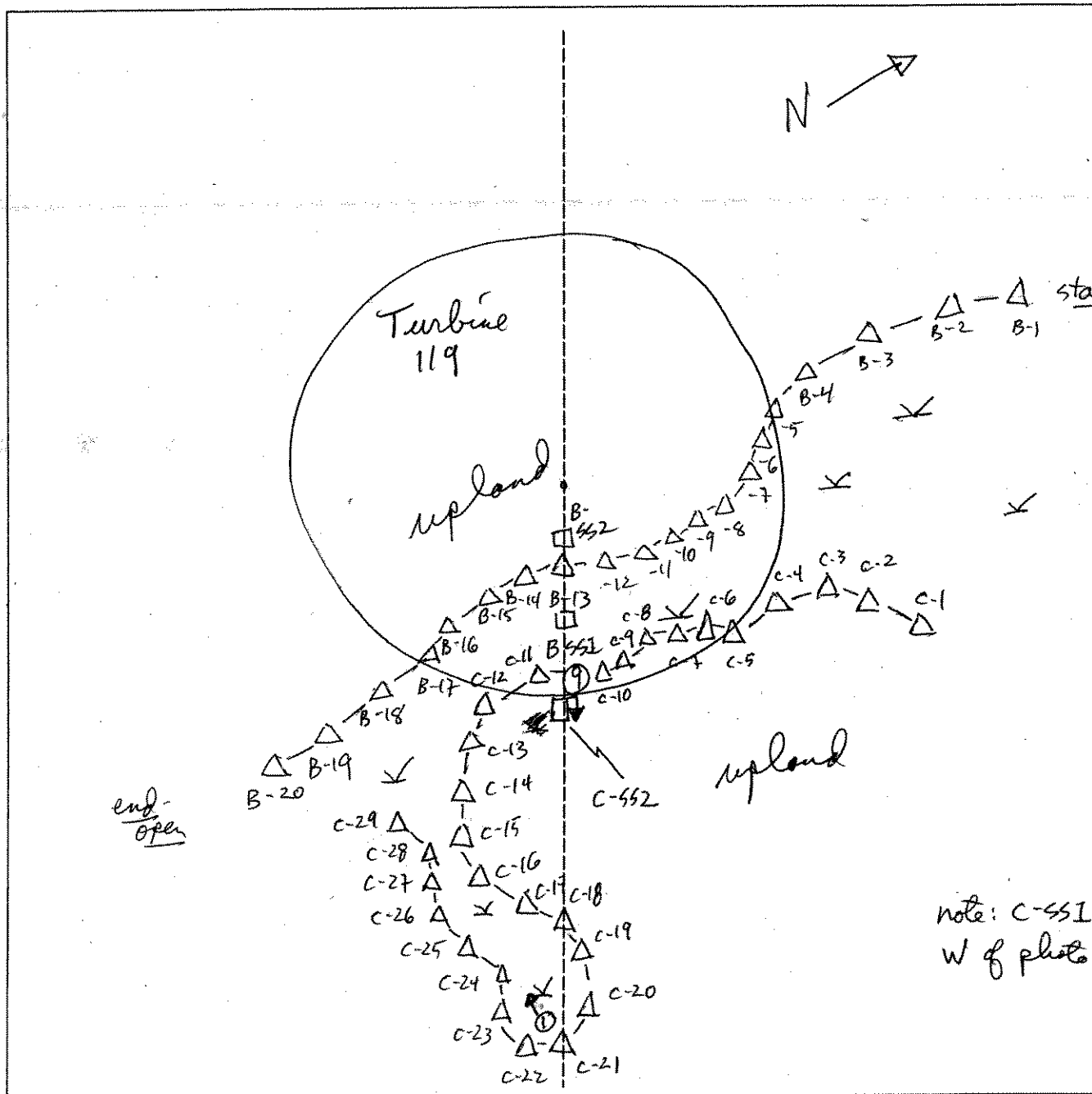
**WETLAND DETERMINATION**

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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> Is the site significantly disturbed (Atypical Situation)? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> Is the area a potential Problem Area? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> (If needed, explain on reverse.)	Community ID: <i>Disturbed</i> Transect ID: <i>SS-1 &amp; RB15</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 907 - 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="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

**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="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>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	<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</u>
<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>	<b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="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: 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. rubrum	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: WTB 120 C - 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.
0-10	A	10YR 3/4			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:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Wetlands Hydrology Present? Hydric Soils Present?	Yes No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No Yes No <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

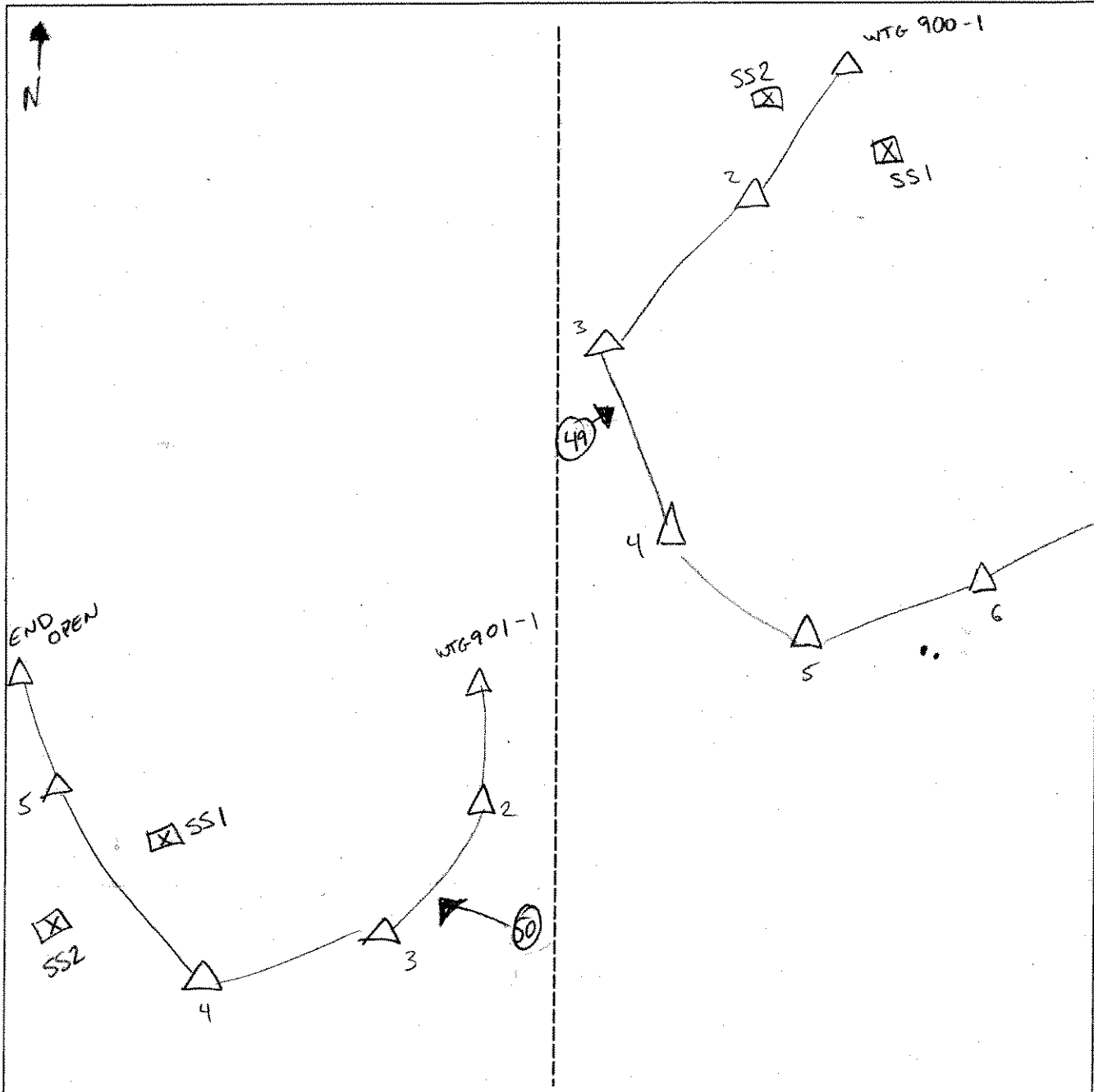
WL => W

Ditch => S

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	

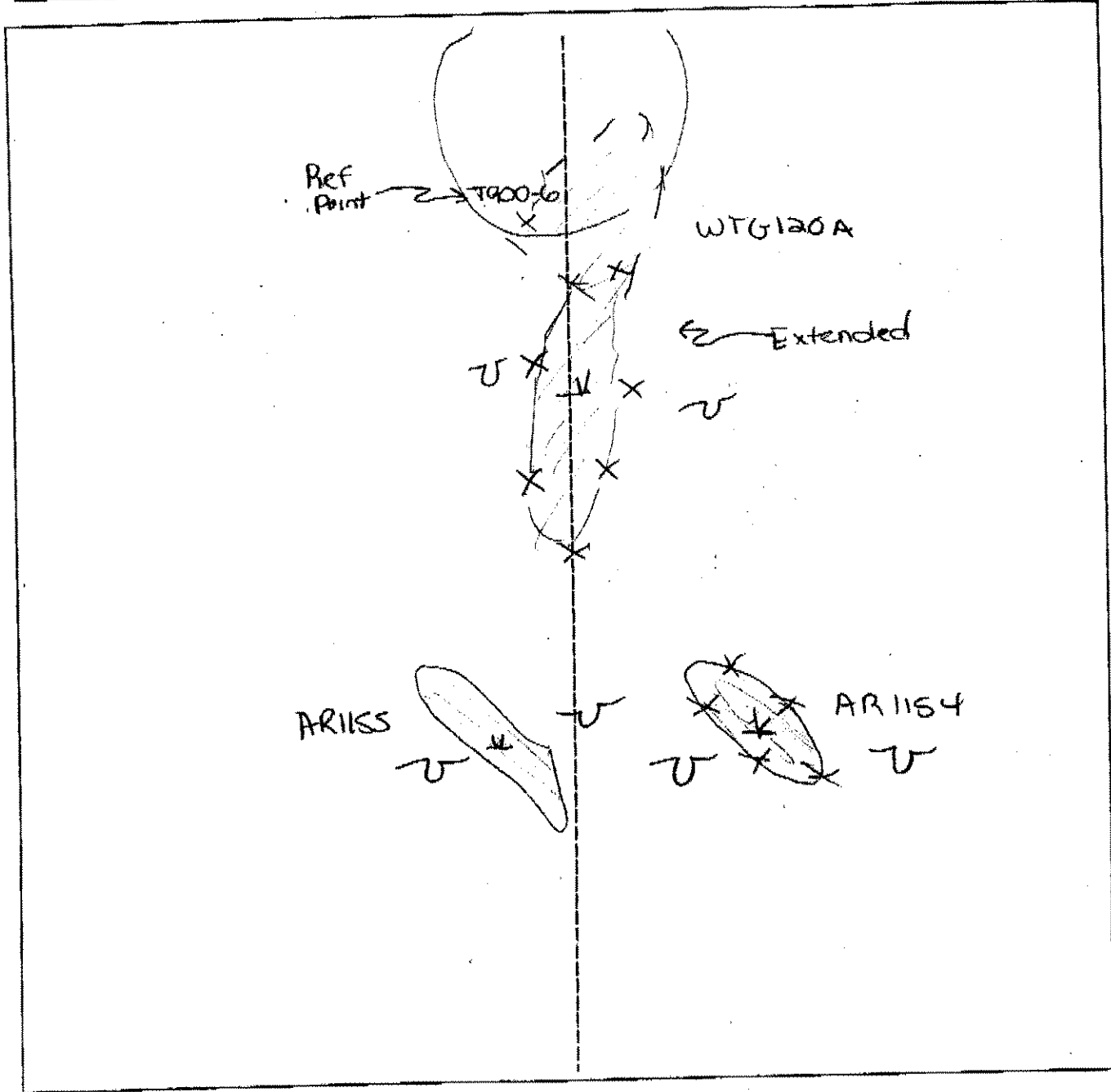


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: WTG120A, IC 1154, IC1155	Date: 9/10/06	Time:
Initials of Delineators: JB, JV	Location: IC between 173 + 138	
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)

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 type="radio"/> No <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;">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: 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

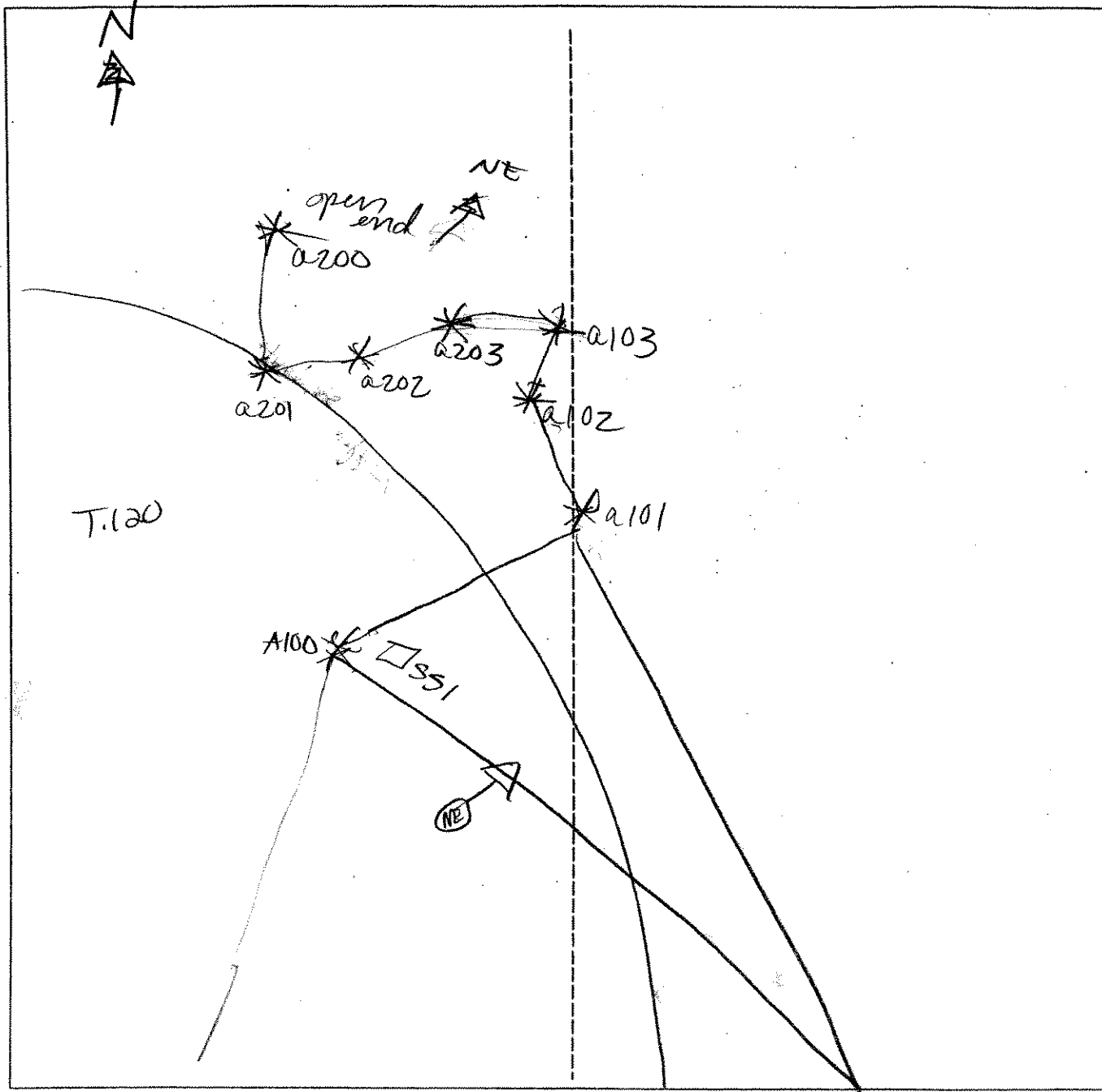
**WETLAND DETERMINATION**

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 #: WTG120 A EXT	Date: 9 May 07	Time:
Initials of Delineators: JV = AP	Location: T.120	
Roll #:	Frames:	

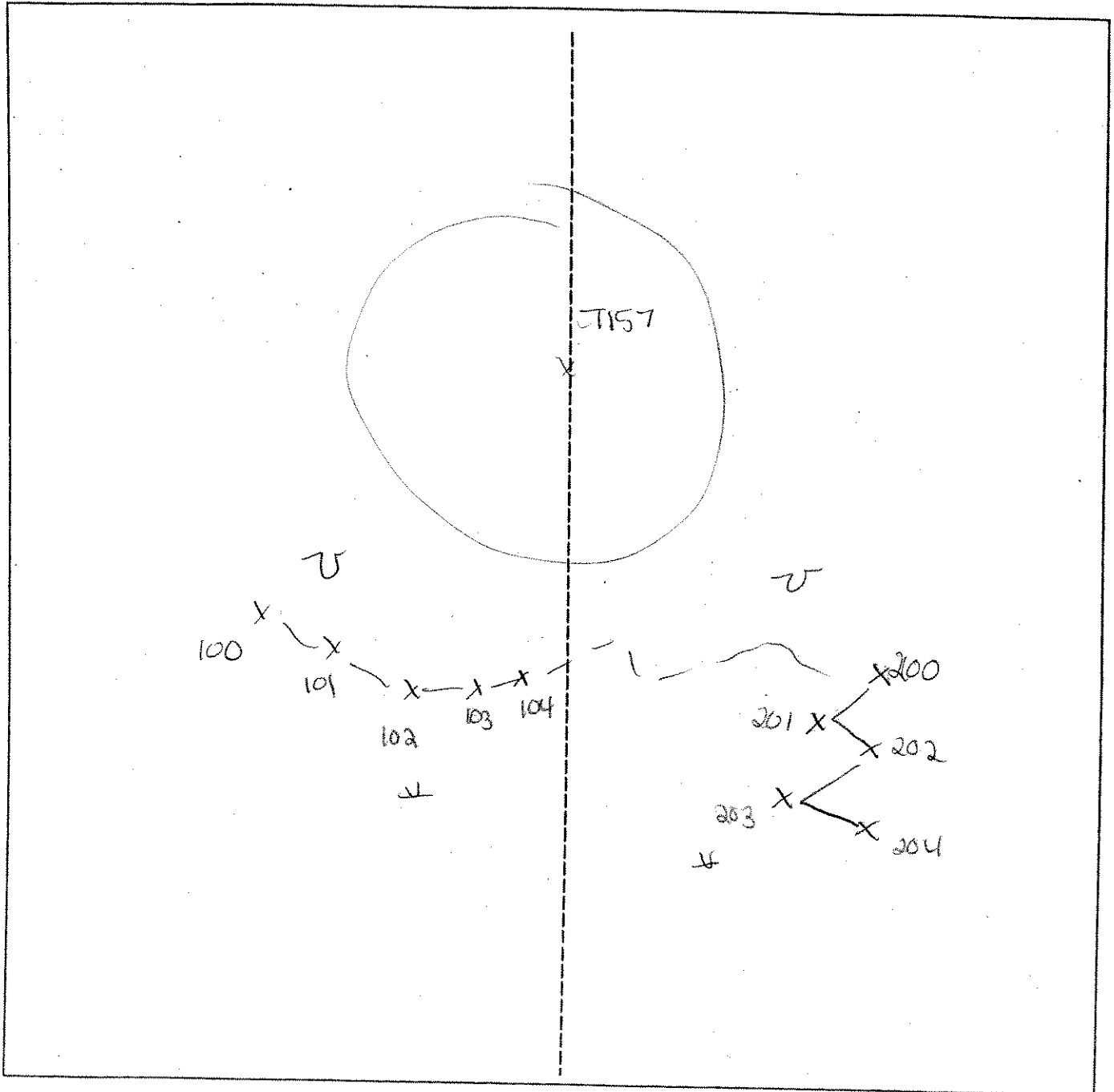


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

EXTENSION

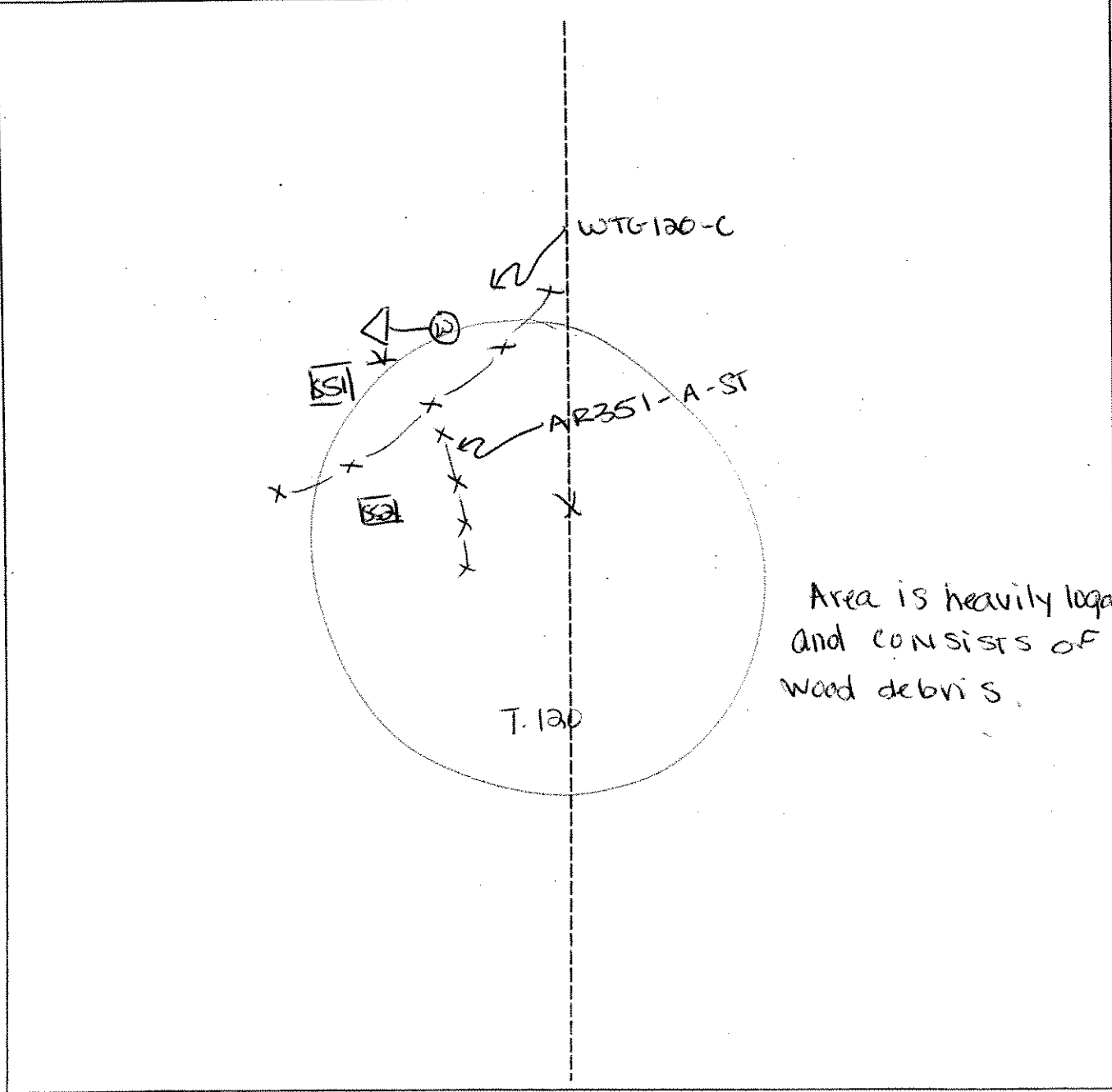
Wetland ID/Route #: WTG-157 A EXT		Date: 5/11/07	Time:
Initials of Delineators: JV AP		Location: T-157	
Roll #:	Frames: 1 = NE		



Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	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
	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>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>WTG130 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. tuberosum</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>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>	<b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="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: 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

- 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: 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. saccharum	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<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:

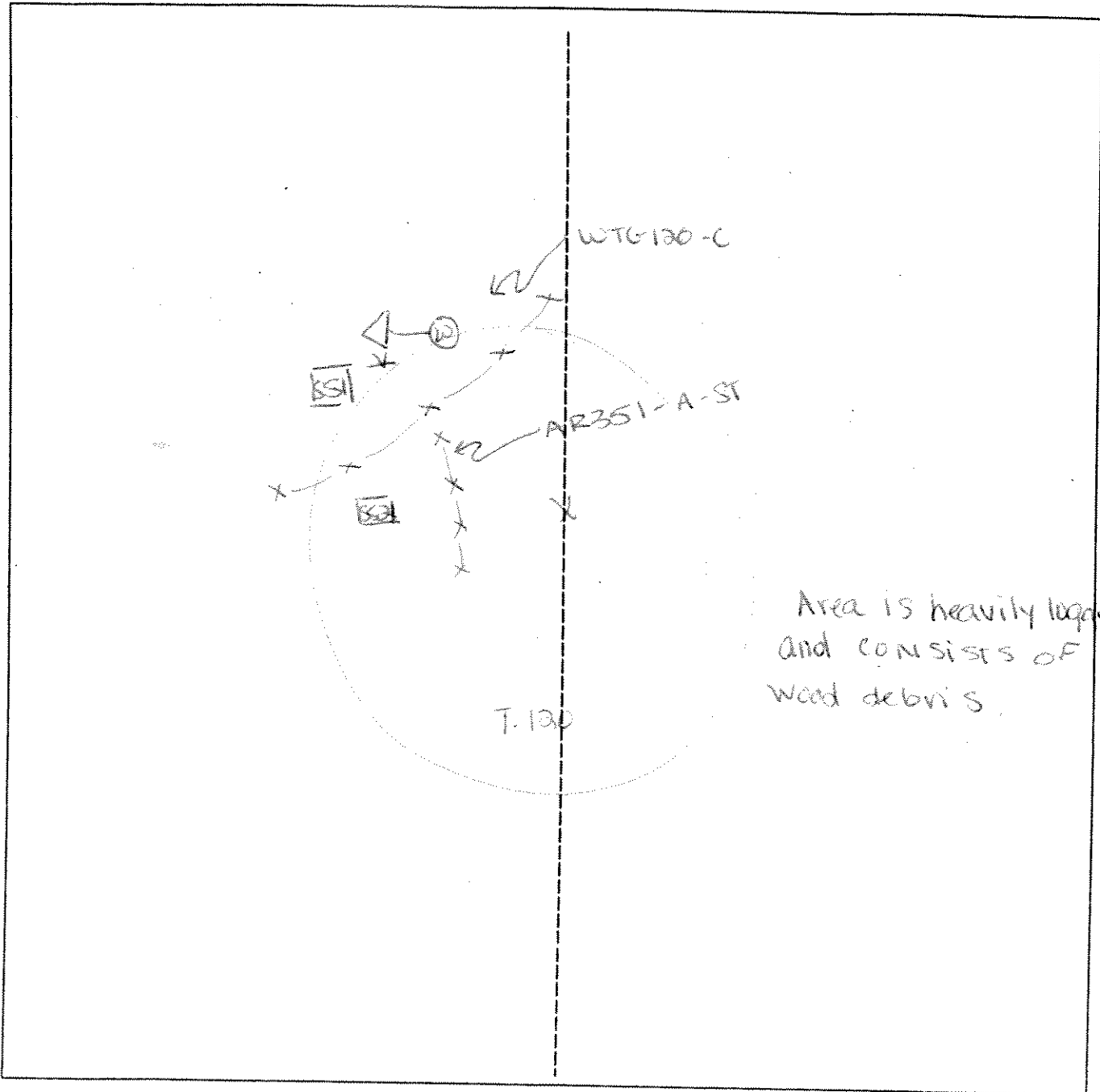
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes	No	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	Wetland
Sample Station	Upland
Centerline	Stream
Flag	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>None / 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 +	10w1	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**

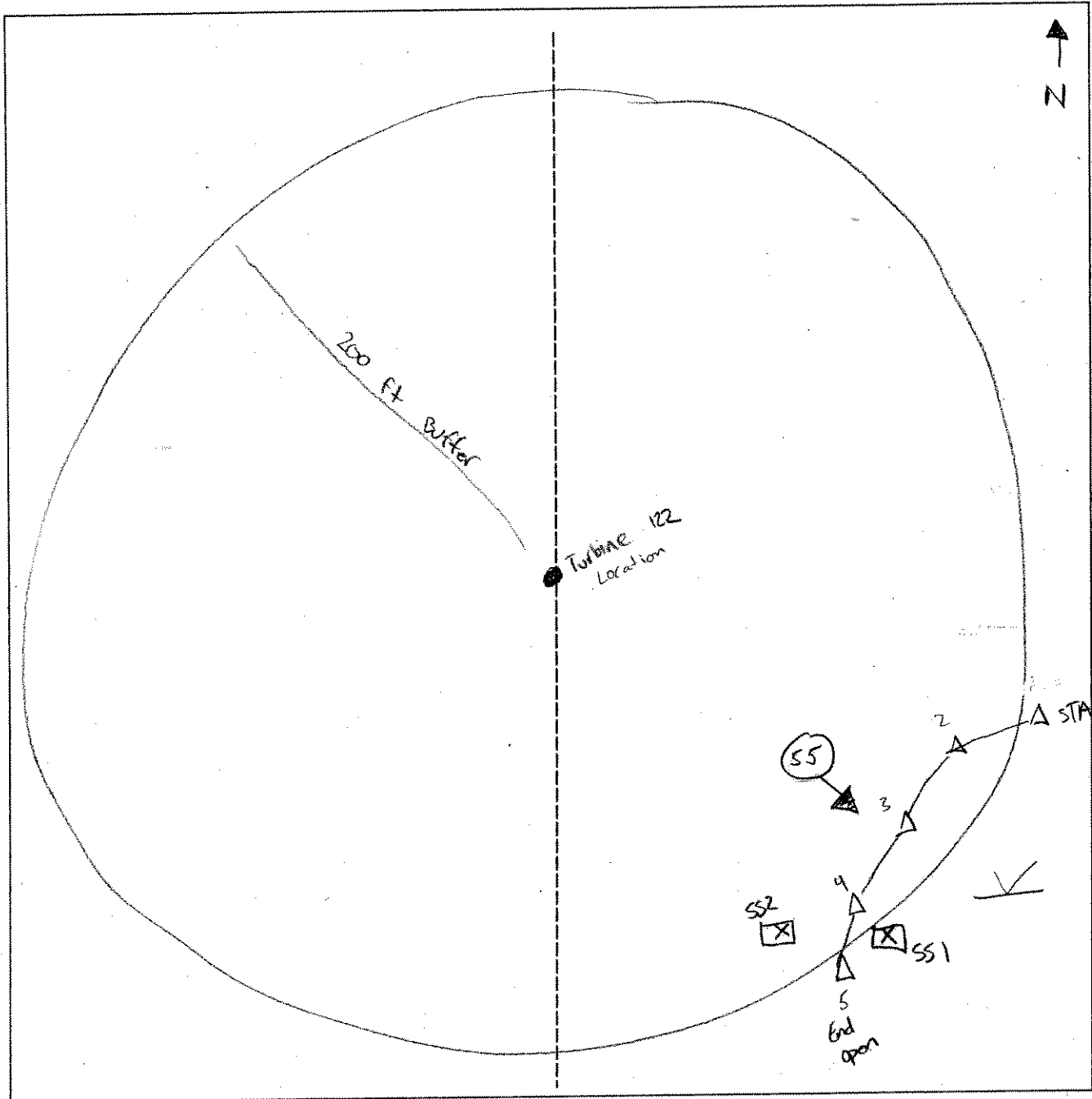
Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Hydric Soils Present?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

WTG122-A

122

SKETCH FORM

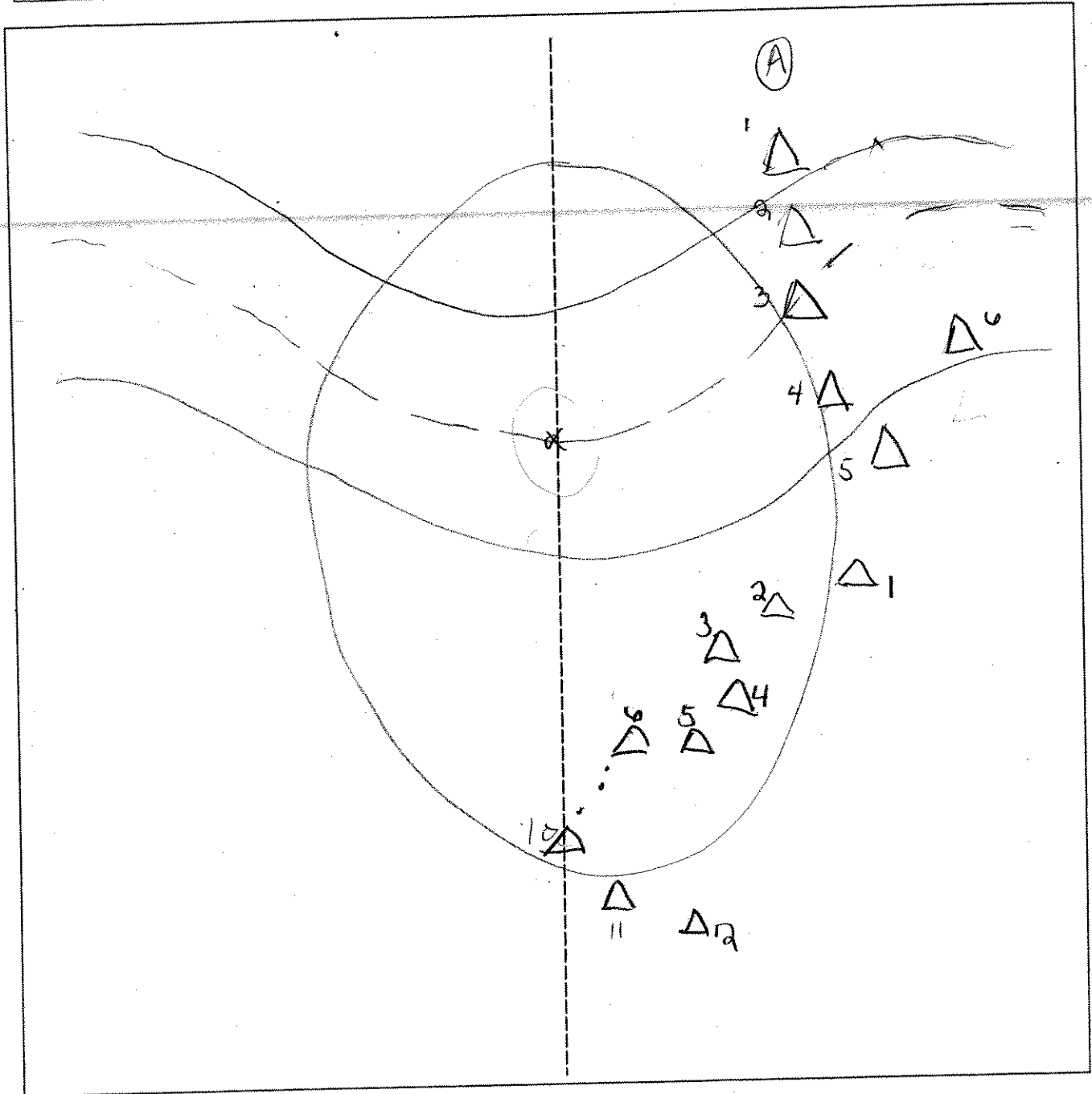
Wetland ID/Route #: WT 6 - 903	Date: 5-6-06	Time: 9:24 AM
Initials of Delineators: DO BR	Location: Marble River Clinton County, NY	
Roll #:	Frames: 55! Looking SE @	WT 6 903-3/4



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. Sensitive fern	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>Middle River</u> Applicant/Owner: <u>Middle River, LLC</u> Investigator: <u>JAD, JS</u>	Date: <u>5/18/06</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>WT6132A</u> Plot ID: <u>552</u>

**VEGETATION**

Plant Community Classification: \_\_\_\_\_  
 Percent Canopy Cover: \_\_\_\_\_ Tree: 85% Shrub: 50% Herb: 15% Vine: 0

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 willow</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. prinus</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-): 30%

Remarks:  
& UPL; Not listed and presumed

**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: WTB172A-SS2

**SOILS**

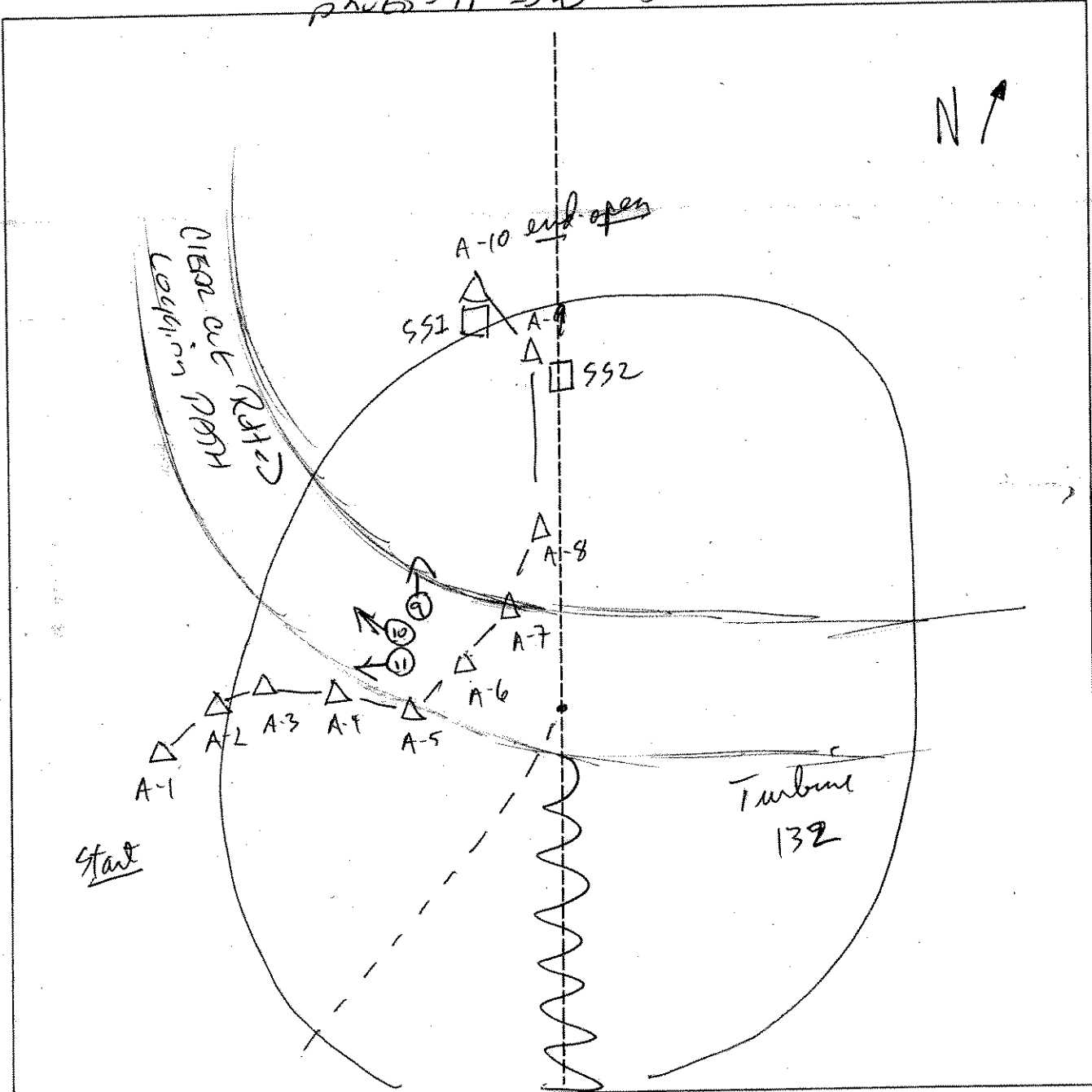
Map Unit Name (Series and Phase):			Drainage Class:		
Taxonomy (SubGroup):			Field Observations Confirm Mapped Type? Yes No		
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR4/3	—	—	Silt loam to 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-132A	Date: 5/08/06	Time: 5:35 P
Initials of Delineators: RD-RJ	Location: WT6132	
Roll #:	Frames: PHOTO - 9 EN PHOTO - 10 EN PHOTO - 11 EN	AT WT6132A



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



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. <del>Red maple</del>	S	FACU	11.		
4. Meadow Sweet	S	FACW	12.		
5. J. Elymus	H	FACW+	13.		
6. Sphagnum spp	H	OBL*	14.		
7. Carex sp	H	—	15.		
8. Carex lasiocarpa	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: W02001D  
 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/came/iron	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 Age 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

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>[Signature]</u>	Date: <u>5/7/06</u> County: <u>Clayton</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>White 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>Grass</u>	<u>T/S</u>	<u>FAC</u>			
7. <u>Wildflower</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**

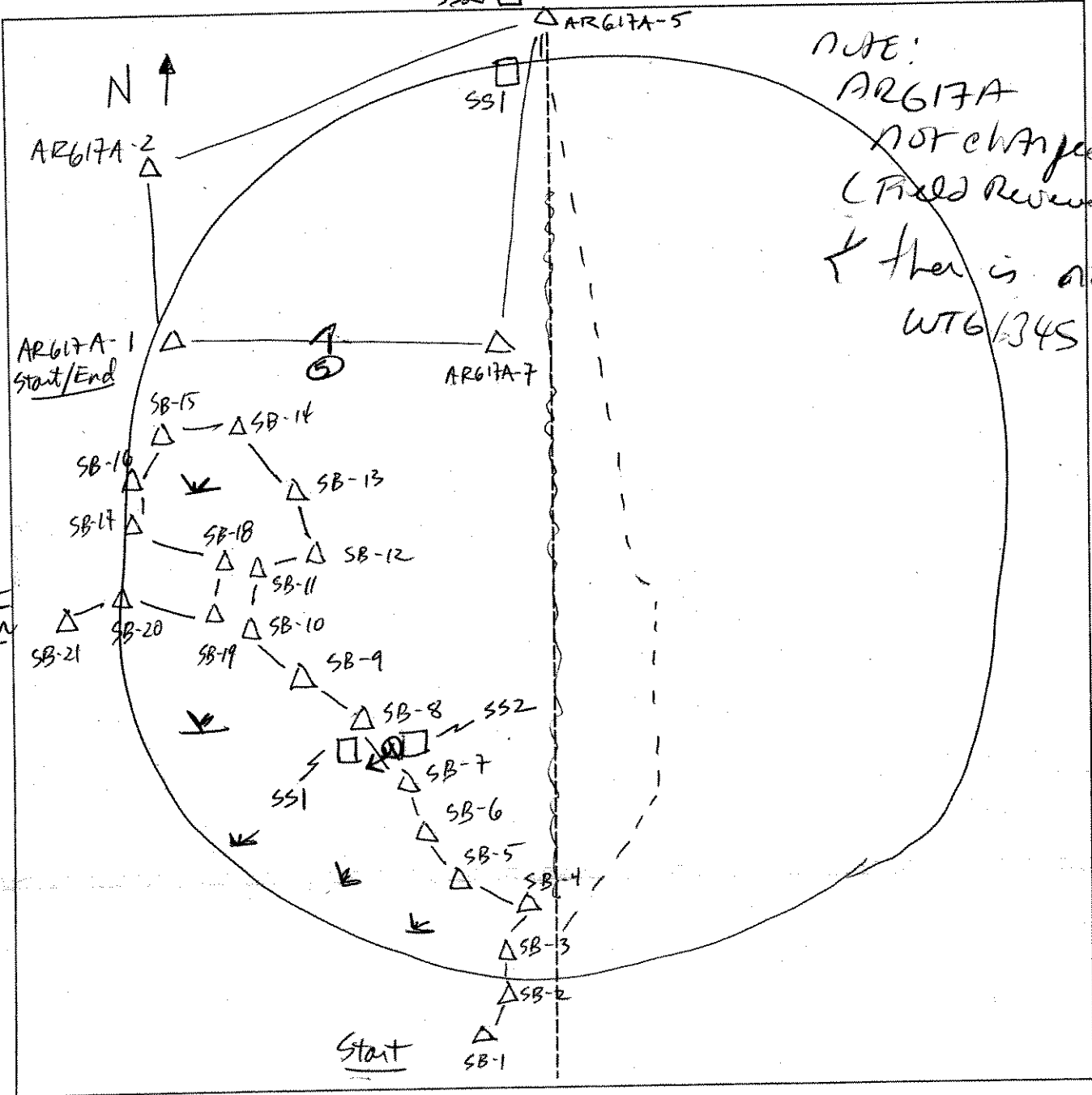
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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	
Hydric Soils Present?	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>Wet ARG 67A</del>	



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

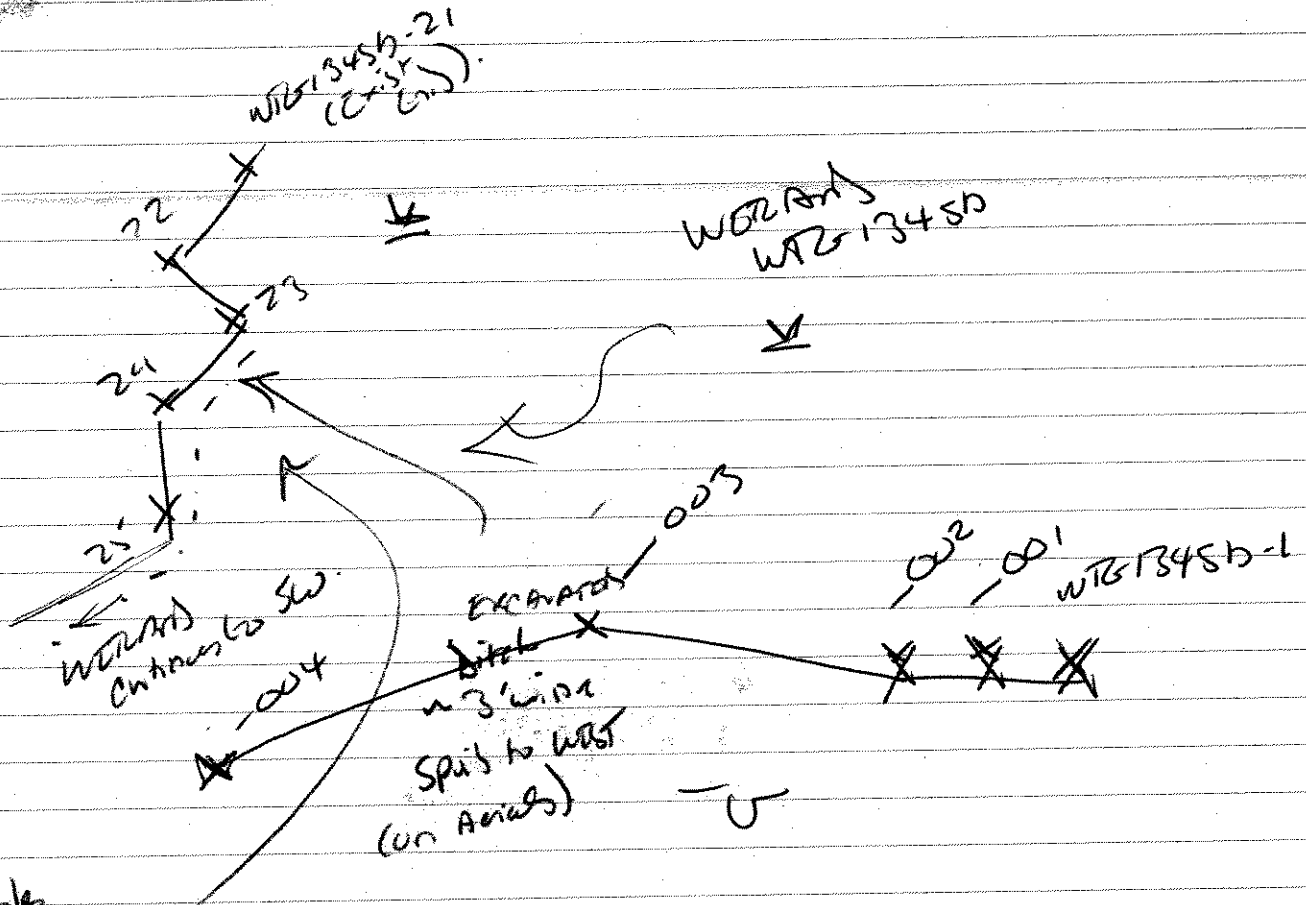
WTB 1345 Line Extension

6/22/06

4 of 5

Phase 5 ⇒ NNE AT Ag field (Axe) (Axe)

EXTENDED WORKING WTB 1345 LINE AS BELOW



- Redwood
- Oak
- Spruce
- Gray soil
- Extra Tanks

Phase 6 ⇒ SE AS LOGGED AREA to EAST OF (W)S

Property

Ditch (logged) Area Upland except in lot

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

Wetland  
D.6. 12A

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BOR</u>	Date: <u>5/11/06</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)? <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>DF0/F</u> Transect ID: Plot ID: <u>WTB.137W - 881</u>

A-S-Saved

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>38.0</u> Shrub: <u>63.0</u> Herb: <u>86.5</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray Birch</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Aspen</u>	<u>Tree</u>	<u>FACW</u>	11.		
4. <u>Alder</u>	<u>Shrub</u>	<u>FACW</u>	12.		
5. <u>Hairy Berry</u>	<u>Shrub</u>	<u>FAC</u>	13.		
6. <u>Sensitive Fern</u>	<u>Herb</u>	<u>FACW</u>	14.		
7. <u>Associated Grasses</u>	<u>Herb</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>6/7 = 86</u>					
Remarks: <u>*Unable to definitively ID due to season condition - assumed FAC</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 ___ 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 <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: 5/11/06  
 Community ID: P460/963  
 Plot ID:

WTA 137-W

**SOILS**

Map Unit Name (Series and Phase): N/D		Drainage Class: PD			
Taxonomy (SubGroup): N/D		Field Observations Confirm Mapped Type? 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"/> 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  
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:  
 Percent Canopy Cover: 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:

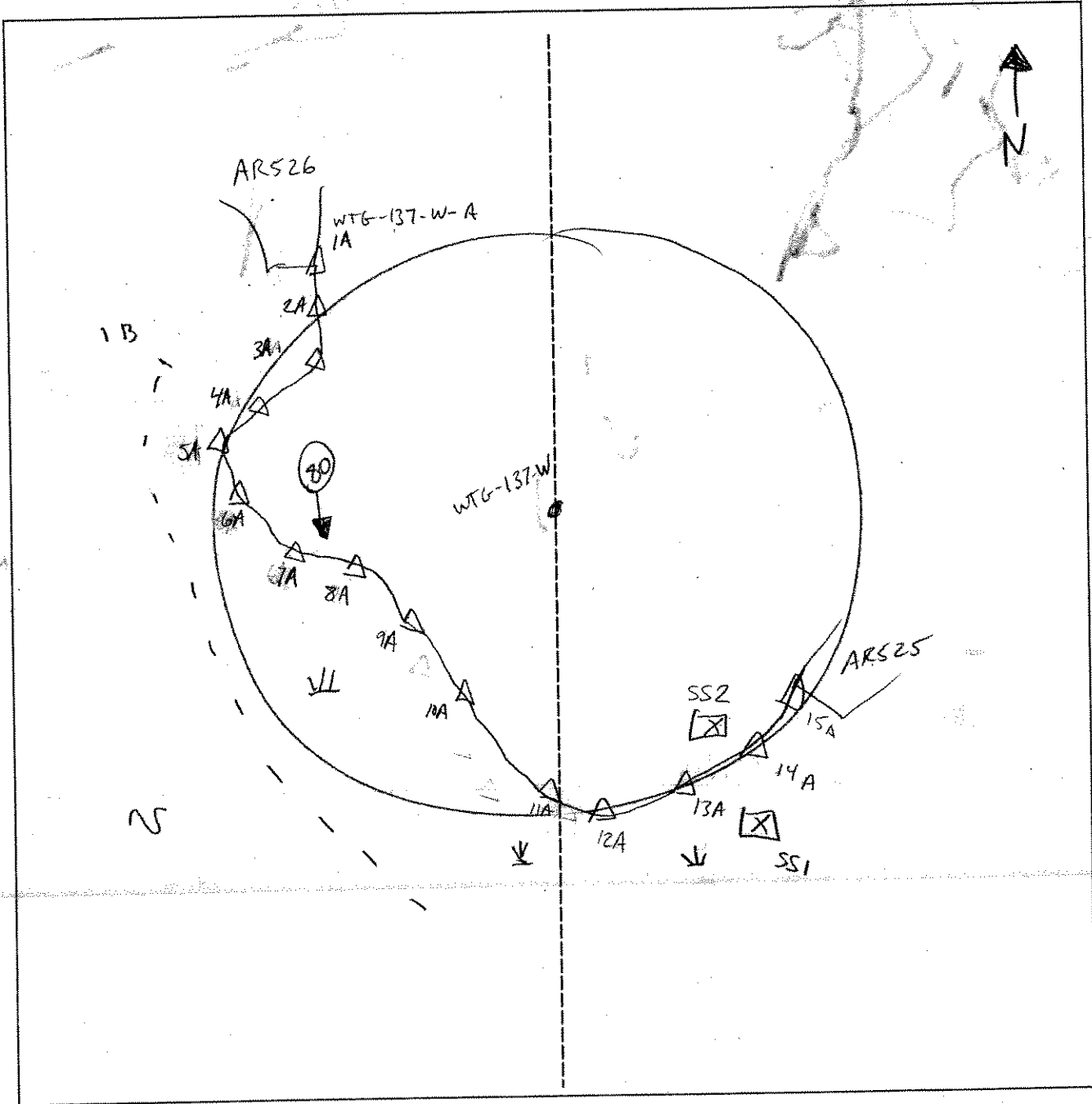
**WETLAND DETERMINATION**

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	



<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>7-24-06</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>Asp. litorum</i>	T	FAC	10.		
3. <i>Utricularia</i>	S/H	FACW	11.		
4. <i>Vaccinium angustifolium</i>	S/H	FACW	12.		
5. <i>Carex crinita</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**

<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 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>Surface</u>	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	OX 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?	<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: 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 mayflower</i>	H	FAC	13.		
6. <i>Lycopodium obscurum</i>	H	FACU	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 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 <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)
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: 7-24-06  
 Community ID: upland  
 Plot ID:  
 WTG 137W-A-SSJ

**SOILS**

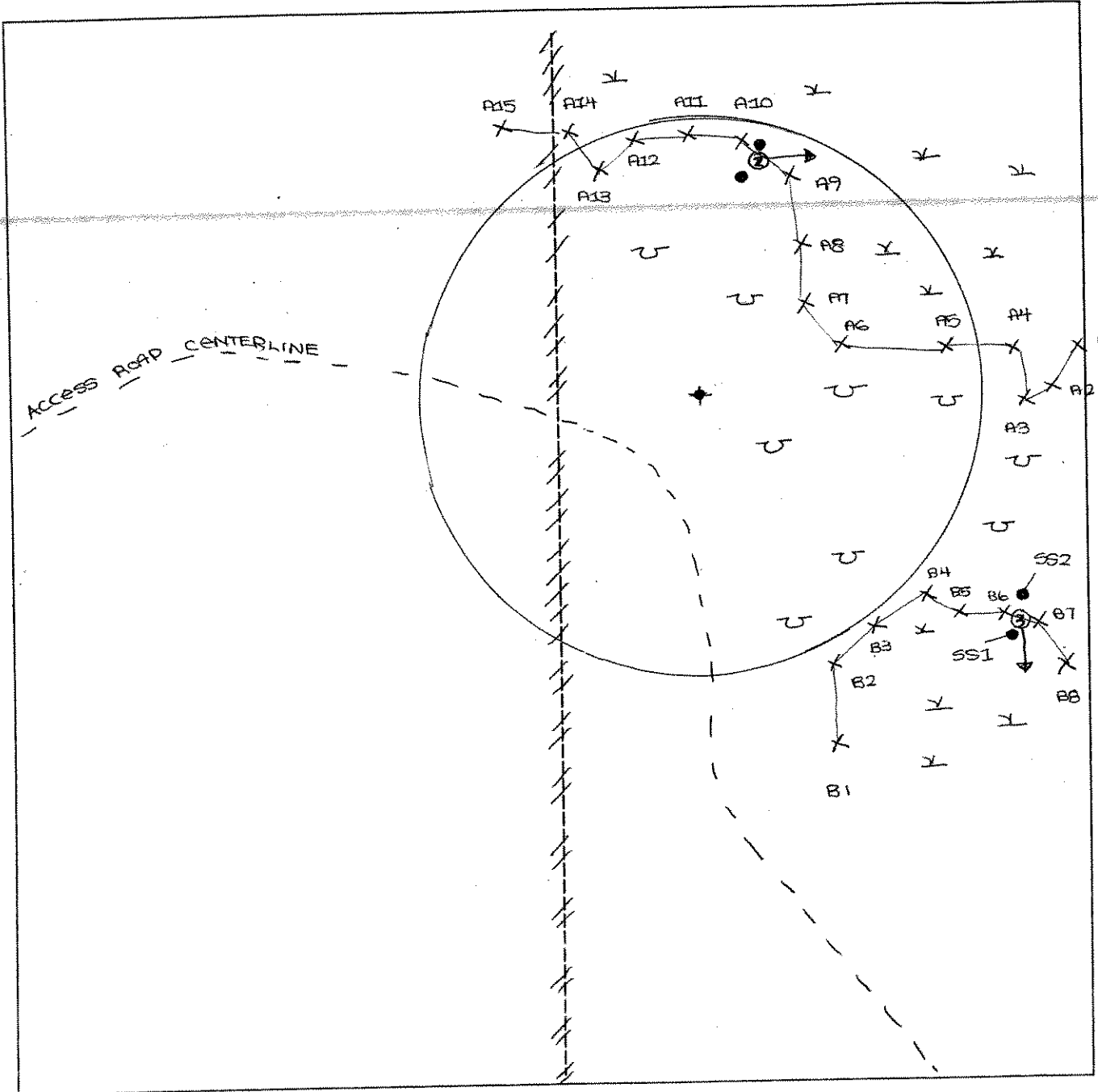
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O <sub>1</sub>	7.5YR 3/4	—	—	
2-3	A <sub>1</sub>	2.5Y 2.5/1	—	none	sandy loam discontinuous ↓
3-4	E	10YR 9/2	—	—	
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"/> 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

<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> HARBOR RIVER	
<b>Roll #:</b> <b>Frames:</b> PHOTO 2 FACING EAST PHOTO 3 FACING SOUTH		



<u>Legend</u>	
○ ↗	Photo Location/Direction
□	Sample Station
- - -	Centerline
△	Flag
X	Wetland
U	Upland
— wavy —	Stream
- - - wavy - - -	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: BPR	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): <u>w/m</u>		Drainage Class: <u>UFD</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>4-8</u>	<u>OL</u>	<u>10YR 2/1</u>	<u>none</u>	<u>none</u>	<u>Fibrous</u>
<u>8-10</u>	<u>Ap</u>	<u>10YR 2/1</u>	<u>none</u>	<u>none</u>	<u>FSL</u>
<u>10-16</u>	<u>Bg</u>	<u>2.5Y 4/1</u>	<u>none</u>	<u>none</u>	<u>SL</u>
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:

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> 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: 5/11/06  
 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)

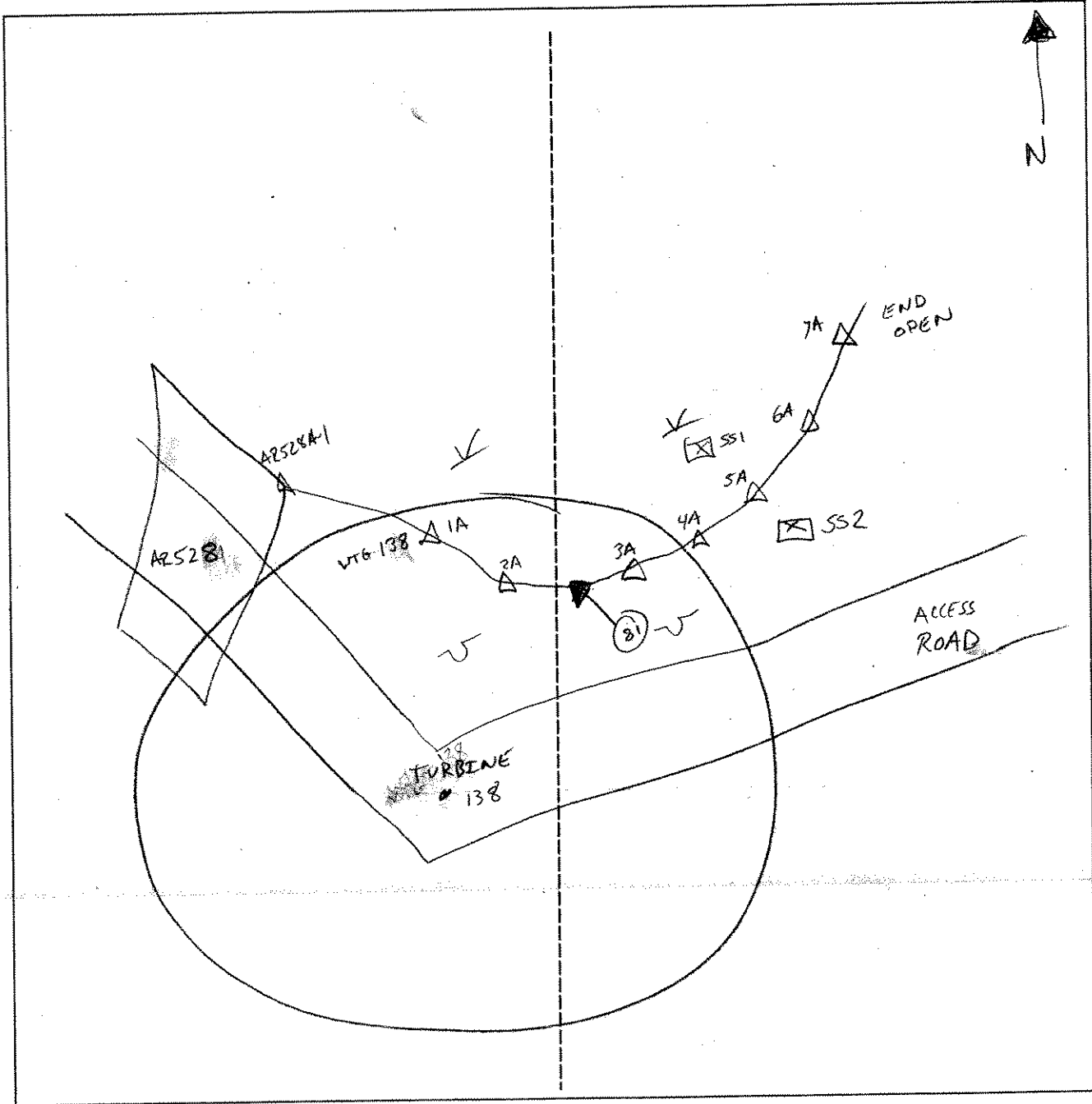
Remarks:  
 Extremely Rocky

**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

Wetland ID/Route #: WTG-138-A LTR	Date: 5-11-06	Time:
Initials of Delineators: BR DO	Location: Marble River	
Roll #: Frames: 81: Looking NW @ WTG-138-A		



<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	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>DE0200</i> Transect ID: Plot ID: <i>WT0133-551-B-600</i>

*\* Vegetation Clearing*

**VEGETATION**

Plant Community Classification:  
 Percent Canopy Cover: Tree: *20.4* Shrub: *10.5* Herb: *39* 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>Spotted alder</i>	<i>Herb</i>	<i>FAC</i>	10.		
3. <i>Smooth cordgrass</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-): *3/39 = 100*

Remarks:  
*dominant species in the W.L. are FAC, and due to seasonal conditions / Vegetation Clearing*

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input 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:	

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

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>	10YR2/1	None	None	SGC
10-14+	B <sub>1</sub>	10YR5/3	10YR5/2 & 10YR5/8	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: Marble River	Date: 5/11/06
Applicant/Owner: Marble River LLC	County: Clinton
Investigator: JLR	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: PFO/PEN Transect ID: Plot ID: INT G 138-SS 2B
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: 85.5 Shrub: 20.5 Herb: 39.0 Vine: 0

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. Red Maple	Tree	FAC	9.		
2. Green Maple	Tree	FAC	10.		
3. Red Maple	Shrub	FAC	11.		
4. Green Maple	Shrub	FAC	12.		
5. Wild Cherry	Shrub	FAC	13.		
6. Yellow Flower	Herb	FAC	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/6 133

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input 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: 5/11/06  
 Community ID: 250/261  
 Plot ID:

UTC 138 SS 2 - by G. Lewis

**SOILS**

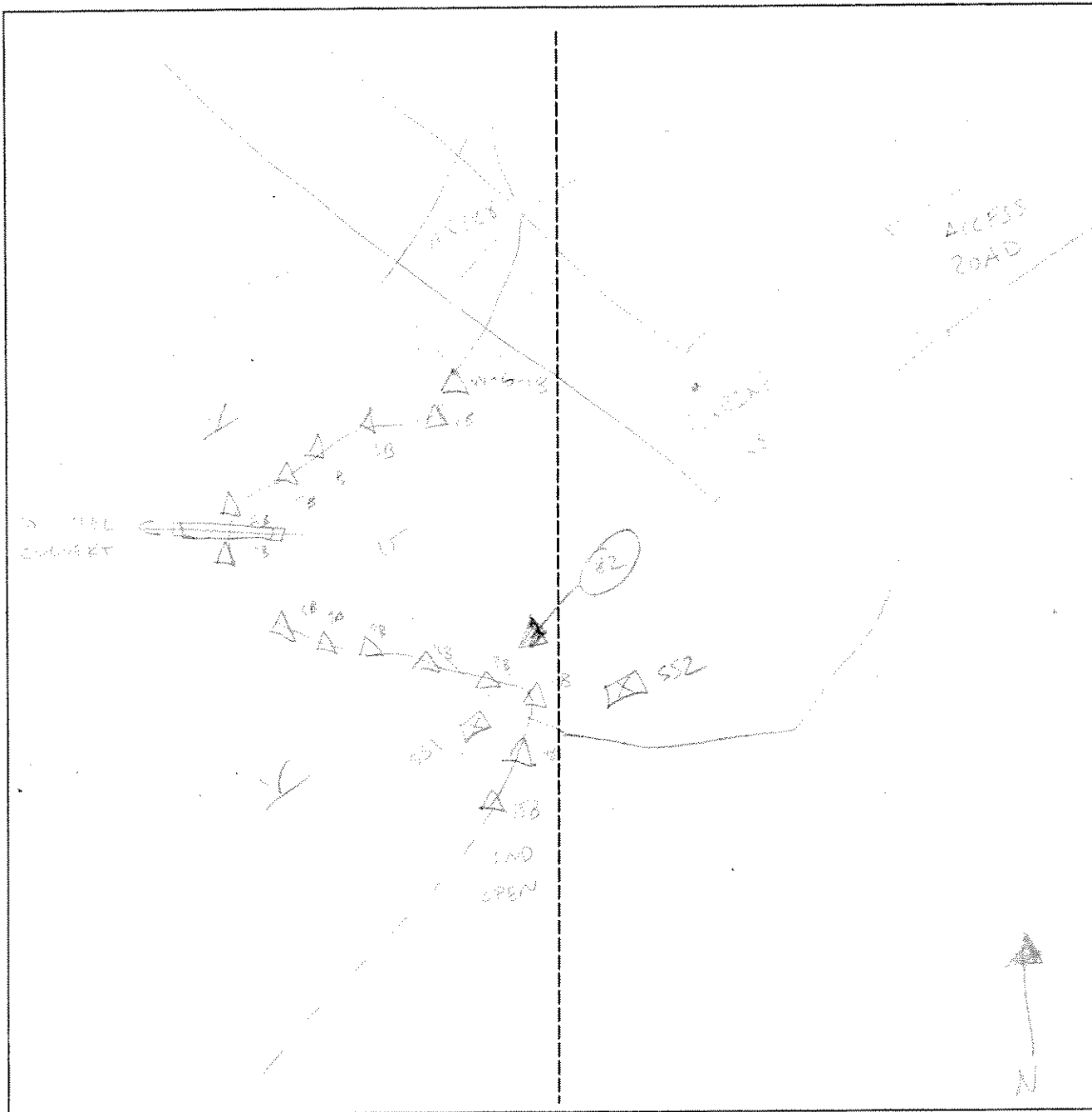
Map Unit Name (Series and Phase): <i>n/a</i>		Drainage Class: <i>mwd</i>			
Taxonomy (SubGroup): <i>n/a</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-4</i>	<i>Ap</i>	<i>10YR 2.5/2</i>	<i>none</i>	<i>none</i>	<i>fine</i>
<i>4-14+</i>	<i>B<sub>2</sub>u</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	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>MARSH MICH 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;"><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: _____ W16-140-A-SS1

#### 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 cassinoides</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

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: <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.) 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	Oc	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	<u>Populus grandidentata</u>	<u>Tree</u>	<u>FACU</u>	9			
* 2	<u>Acer rubrum</u>	<u>Tree</u>	<u>FAC</u>	10			
* 3	<u>Betula populifolia</u>	<u>Tree</u>	<u>FAC</u>	11			
* 4	<u>Acer rubrum</u>	<u>Shrub</u>	<u>FAC</u>	12			
5	<u>Lycopodium dendroideum</u>	<u>Herb</u>	<u>FACU</u>	13			
6	<u>M. carolinense</u>	<u>Herb</u>	<u>FAC-</u>	14			
7				15			
8				16			

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

Remarks:

**HYDROLOGY**

<p align="center"><u>None</u></p> _____ 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 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

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? 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>Wetland</u> Transect ID: _____ Plot ID: _____ WTG 140 C-55-1

**VEGETATION**

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
* 1	<i>A. rubrum</i>	T	FAC	9			
* 2	<i>B. populifolia</i>	T	FAC	10			
* 3	<i>Viburnum cassinoides</i>	Sh	FACW	11			
* 4	<i>A. celticum</i>	Sh	FAC	12			
* 5	<i>Maianthemum canadense</i>	h	FAC-	13			
* 6	<i>Sphagnum moss</i>	h	OBL	14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 83%

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"/> Soil Compaction 2 Inches _____ 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: <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 R10		
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 <input type="radio"/> No (Circle)	Is this Sampling Point Within a Wetland? <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	

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? 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>Upland</u> Transect ID: _____ Plot ID: _____ <p align="right">WTG 140 C - 55-2</p>	

**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

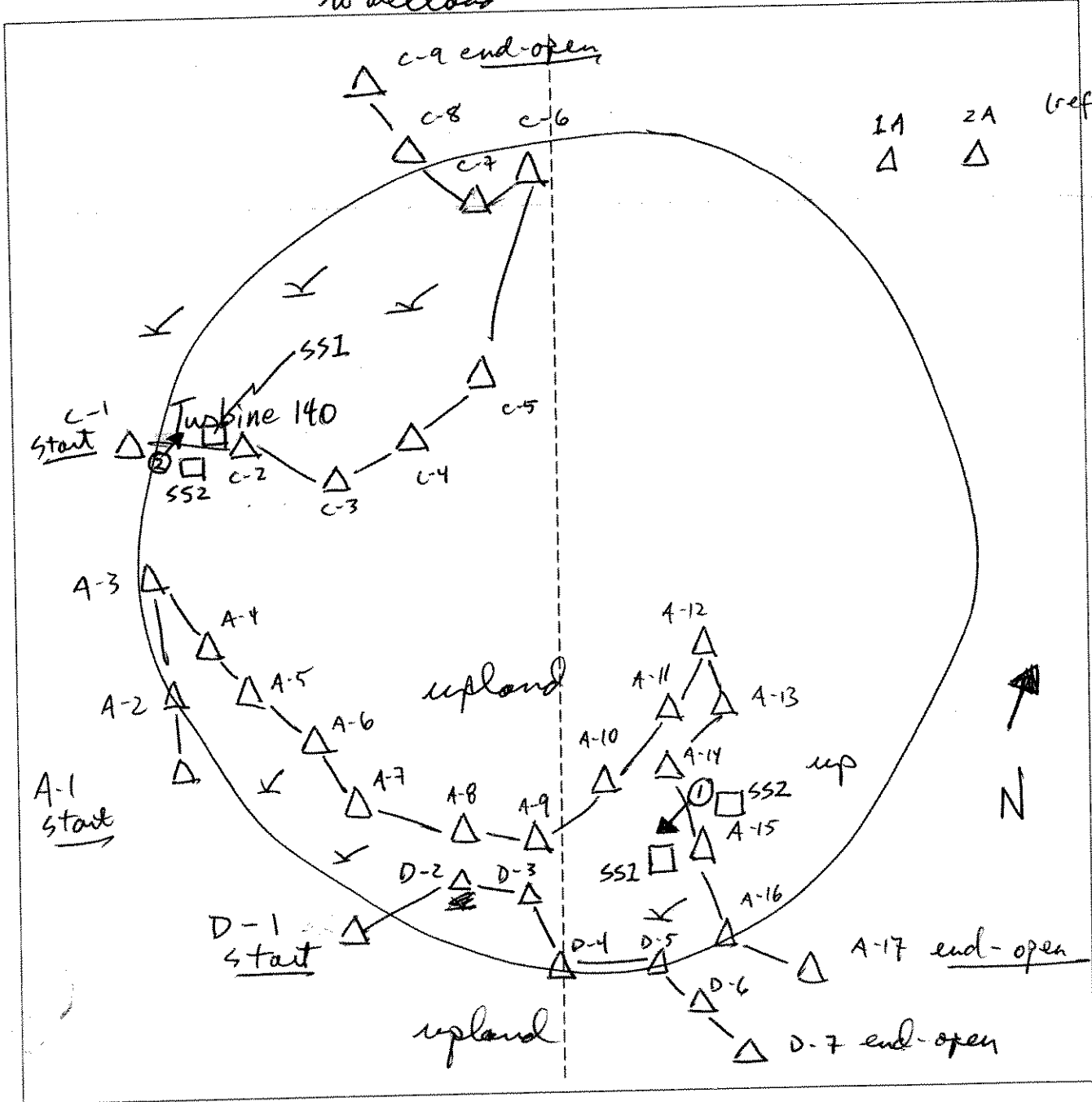
**WETLAND DETERMINATION**

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"/>	
Remarks:		

Approved by HQUSACE 3/92

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		

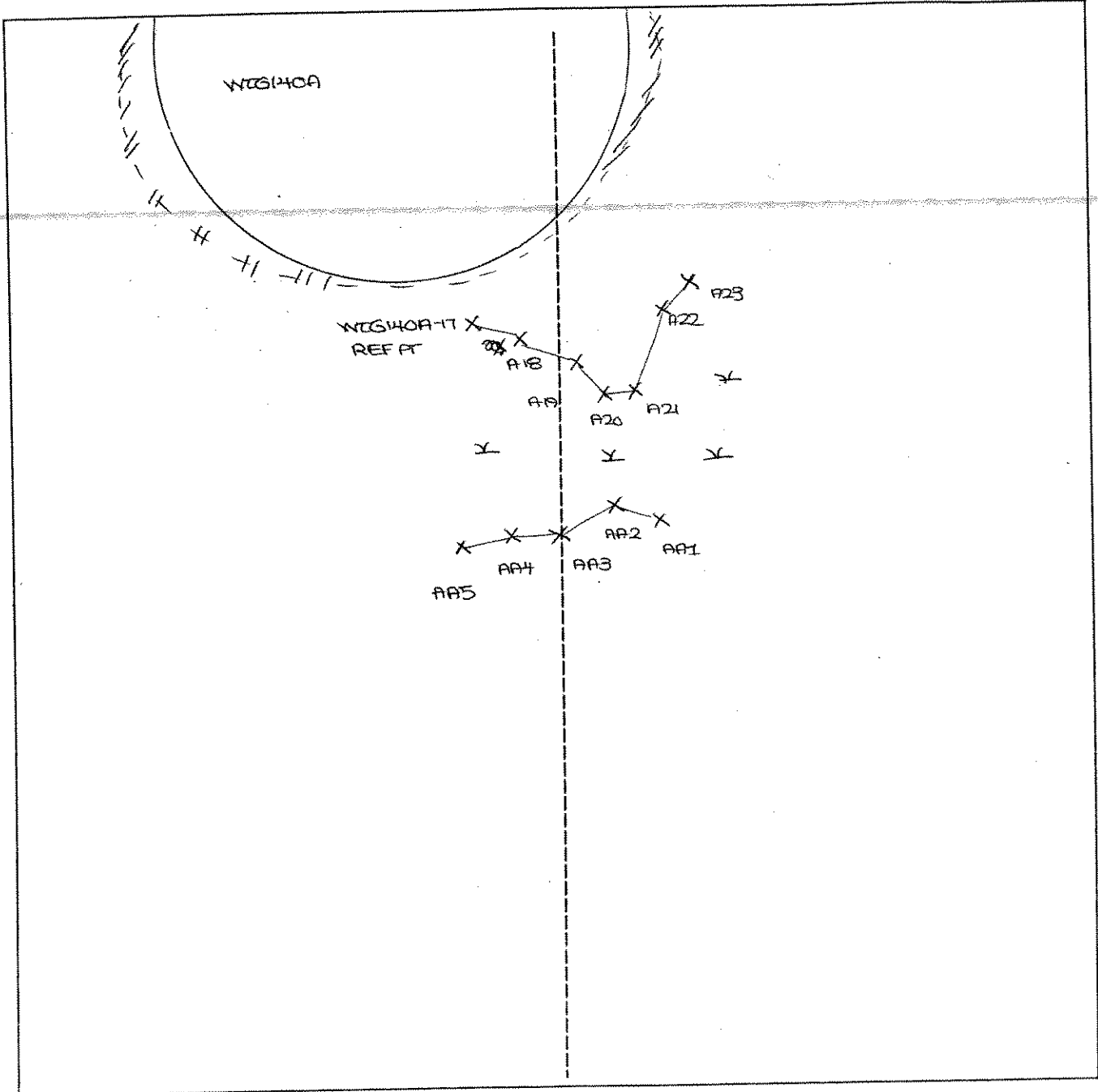


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

LINE EXTENSION

SKETCH FORM

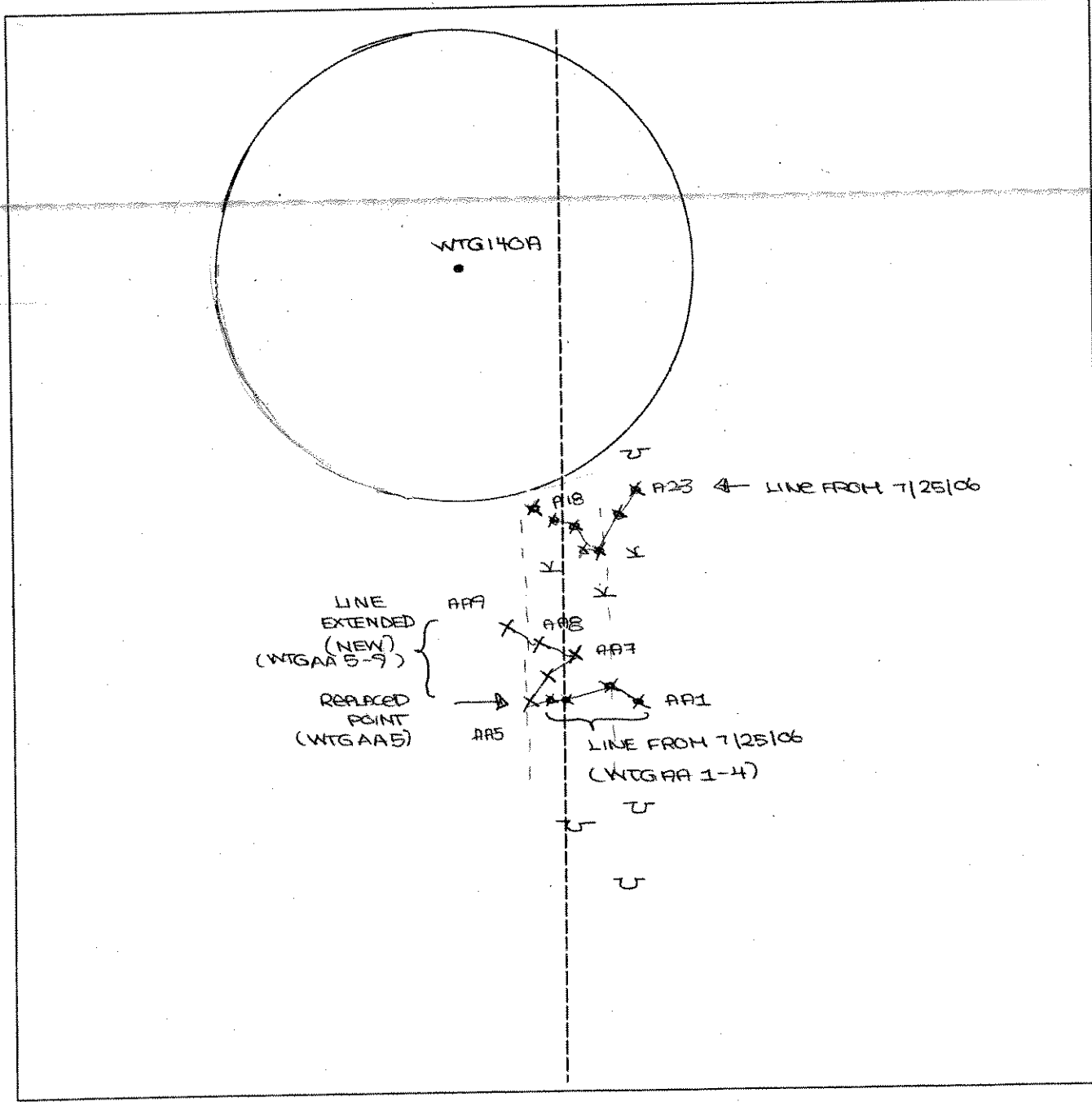
Wetland ID/Route #: WEG140A	Date: 7/25/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



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**

WETLAND WITH 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>DOGWOOD</u>	<u>H</u>	<u>OBSL</u>	9. <u>SILT PINE</u>	<u>H</u>	<u>FACW+</u>
2. <u>CANADA GOLDEN 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 CANNON 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 STEMMED ASTER</u>	<u>H</u>	<u>OBSL</u>
6. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>	14. <u>CATPAW</u>	<u>H</u>	<u>OBSL</u>
7. <u>WILD GRASS</u>	<u>H</u>	<u>FACW+</u>	15.		
8. <u>ORISE K. CRIBATA</u>	<u>H</u>	<u>OBSL</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:

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	HYR 2/1	NONE	—	ORGANIC
2-6	A	6.5Y 1/7/10.6Y	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. WOODRIDGE 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? <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>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: 0 Shrub: 10% Herb: 20% Vine: 0

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>Canna</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>Carex sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Wol. grass</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Grass</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Sedum</u>	<u>S</u>	<u>FAC</u>	15.		
8.			16.		

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

Remarks:  
\* AS E-ly

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="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>&gt; 1'</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5/15/06  
 Community ID: wetlands  
 Plot ID: DTB-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: <u>Disturbed Early Succession</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>5%</u> Herb: <u>2%</u> Vine: <u>0</u>					
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-): <u>0/0%</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 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"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input 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 a B''*

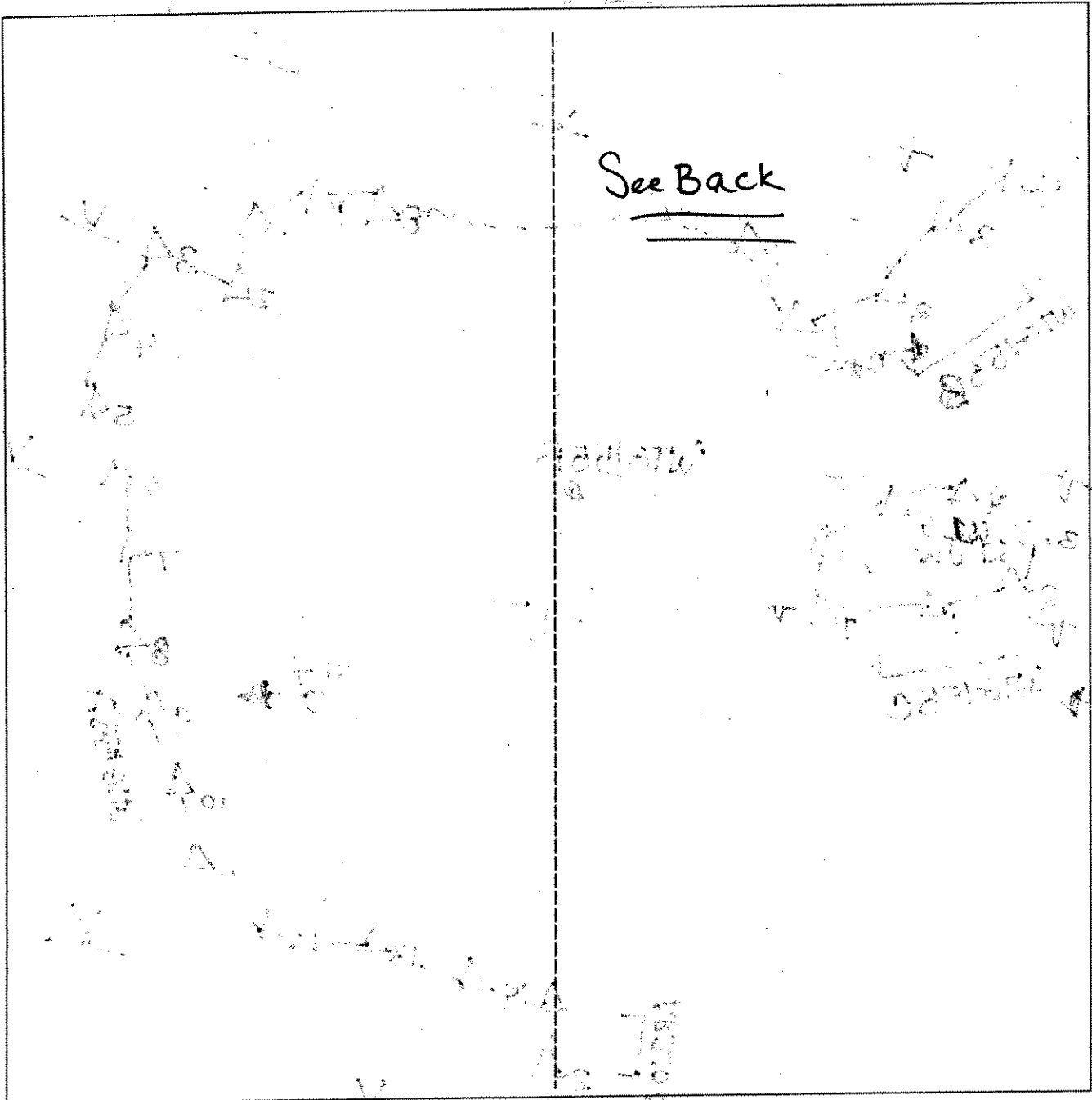
**WETLAND DETERMINATION**

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

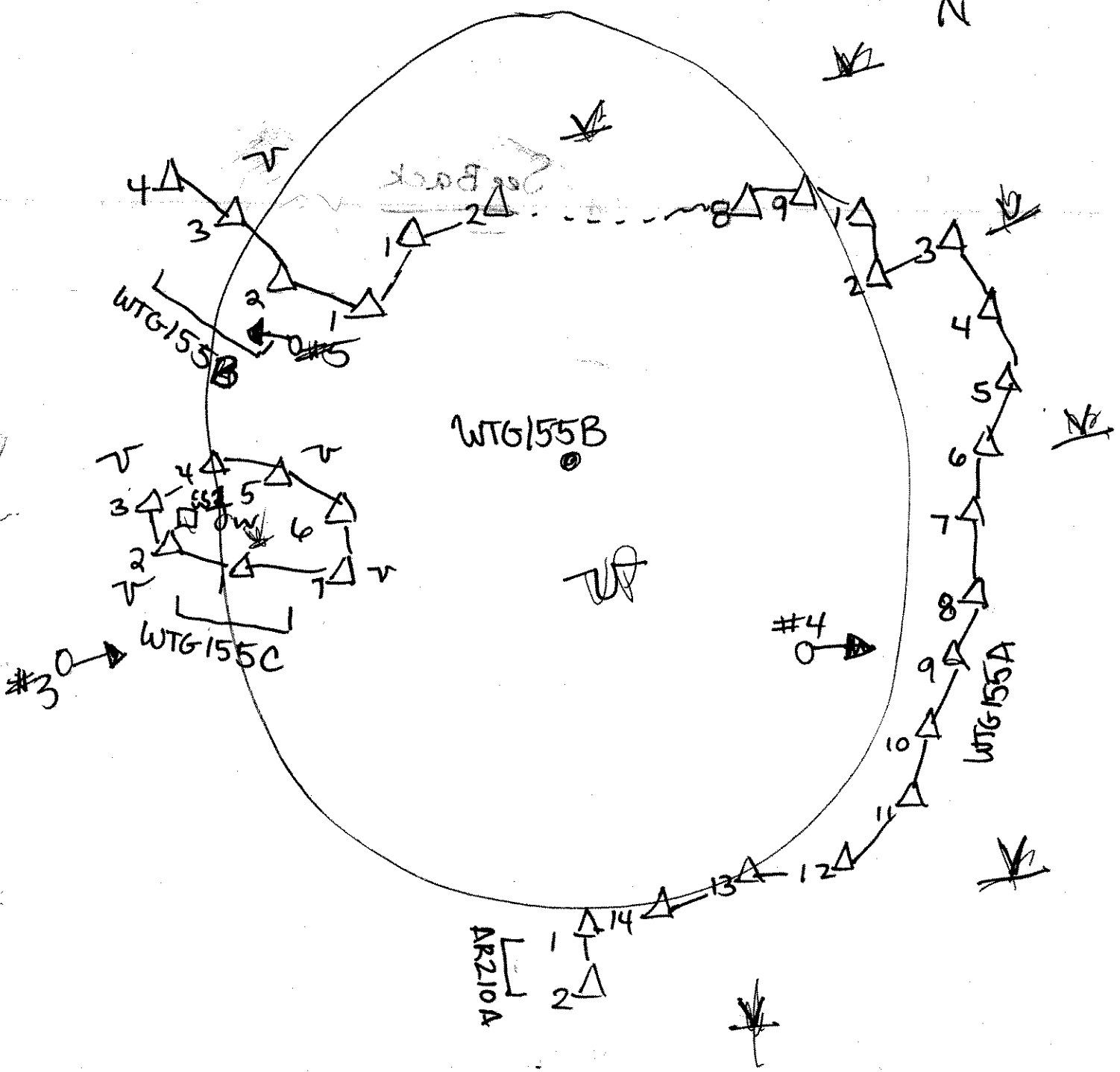
Wetland ID/Route #: WTG155B (Reference points <del>WTG</del> AR210A AND)	Date: 5-15-06	Time:
Initials of Delineators: RD, JV	Location:	
Roll #: #4 A NE	Frames: #3 B W. C NW	



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

WTG 155B (PERMANENT POINTS) AND  
ARZ10A  
2-18-00

WTG 155B  
WTG 155C  
WTG 155A



**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 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** MESIC PFD. - Hummock

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>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>	<u>-</u>
6.			14. <u>MAINT Fern</u>	<u>H</u>	<u>NL</u>
7.			15. <u>TRIAL ROL</u>	<u>S</u>	<u>-</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

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
6-12	A	10YR5/1-3S/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:  
 \* Rebound of Age 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>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 <small>(If needed, explain on reverse.)</small>	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>Not listed</u>	H	UPL	10. <u>Sugar maple</u>	S/H	FACU-
3. <u>maple</u>	H	FAC-	11. <u>Gray birch</u>	T	FAC
4. <u>Tree-like - herbaceous</u>	H	FACU	12. <u>Wood fern</u>	H	-
5. <u>Small herb</u>	S/H	FAC	13. <u>Clm grass</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	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:

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**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                   |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                  |
| <input type="checkbox"/> Reducing Conditions         | <input 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**

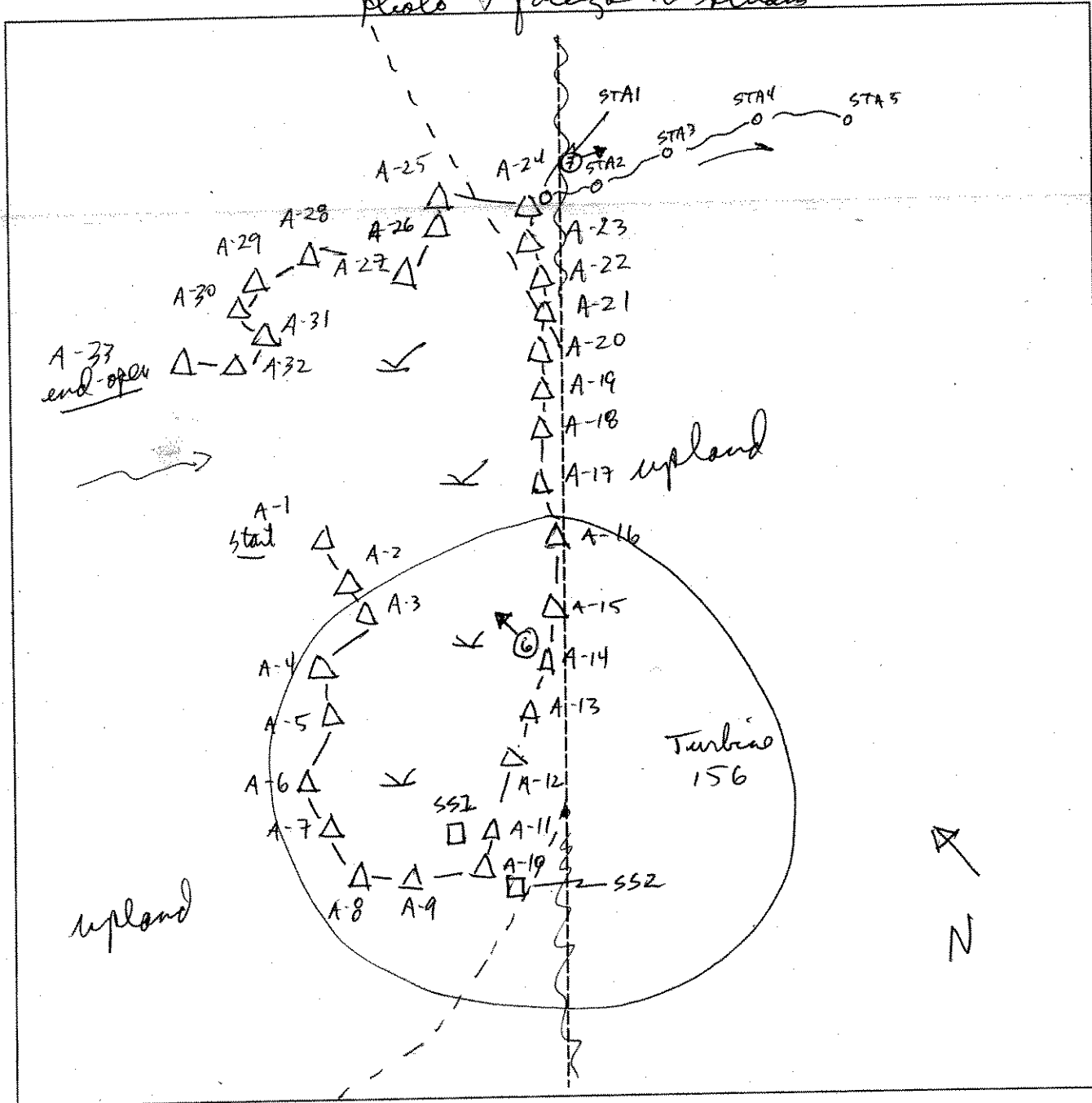
Hydrophytic Vegetation Present? Yes No  
 Wetlands Hydrology Present? Yes No  
 Hydric Soils Present? Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: 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**

___ 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>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/pedrics/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 upper 6 mds					

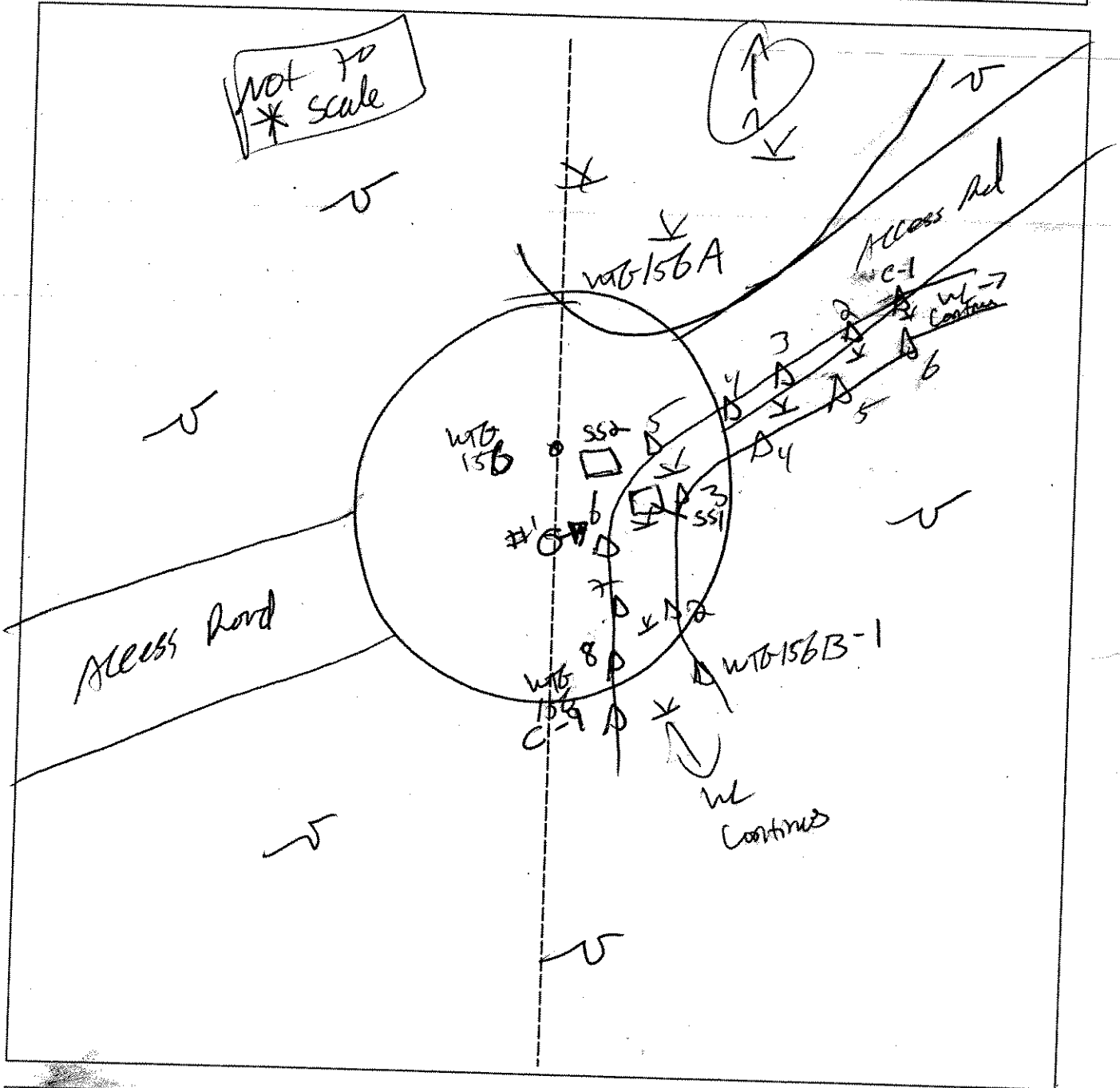
**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input 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: 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
□	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>RJL</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.)	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"/>	Community ID: <i>wet cow</i> Transect ID: <i>Pasture</i> Plot ID: <i>WTG 161A - # - 551</i>

**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. <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>Meadowsweet (S. latifolia)</i>	SL	FAC+	13.		
6. <i>Sheep Sorrel (S. tomentosus)</i>	SH	FACW	14.		
7.			15.		
8.			16.		

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

Remarks: *veg disturbed due to cows but sufficient for determination along with clear topo*

**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 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**

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? Yes <input type="radio"/> No <input checked="" type="radio"/>	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>WTG 161A-A-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>Timothy</i>	H	FACW	9.		
2. <i>Tall Fescue</i>	H	FAC+	10.		
3. <i>Agrostis alba</i>	H	FACW	11.		
4. <i>Spine &amp; lateral</i>	SL	FAC+	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	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.): <i>none</i>  Depth to Saturated Soil (in.):	<i>NONE</i>
Remarks:	

Date: 7-13-06  
 Community ID: upland  
 Plot ID:

WTG 161A - 1-552

**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 <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?  
 Wetlands Hydrology Present?  
 Hydric Soils Present?

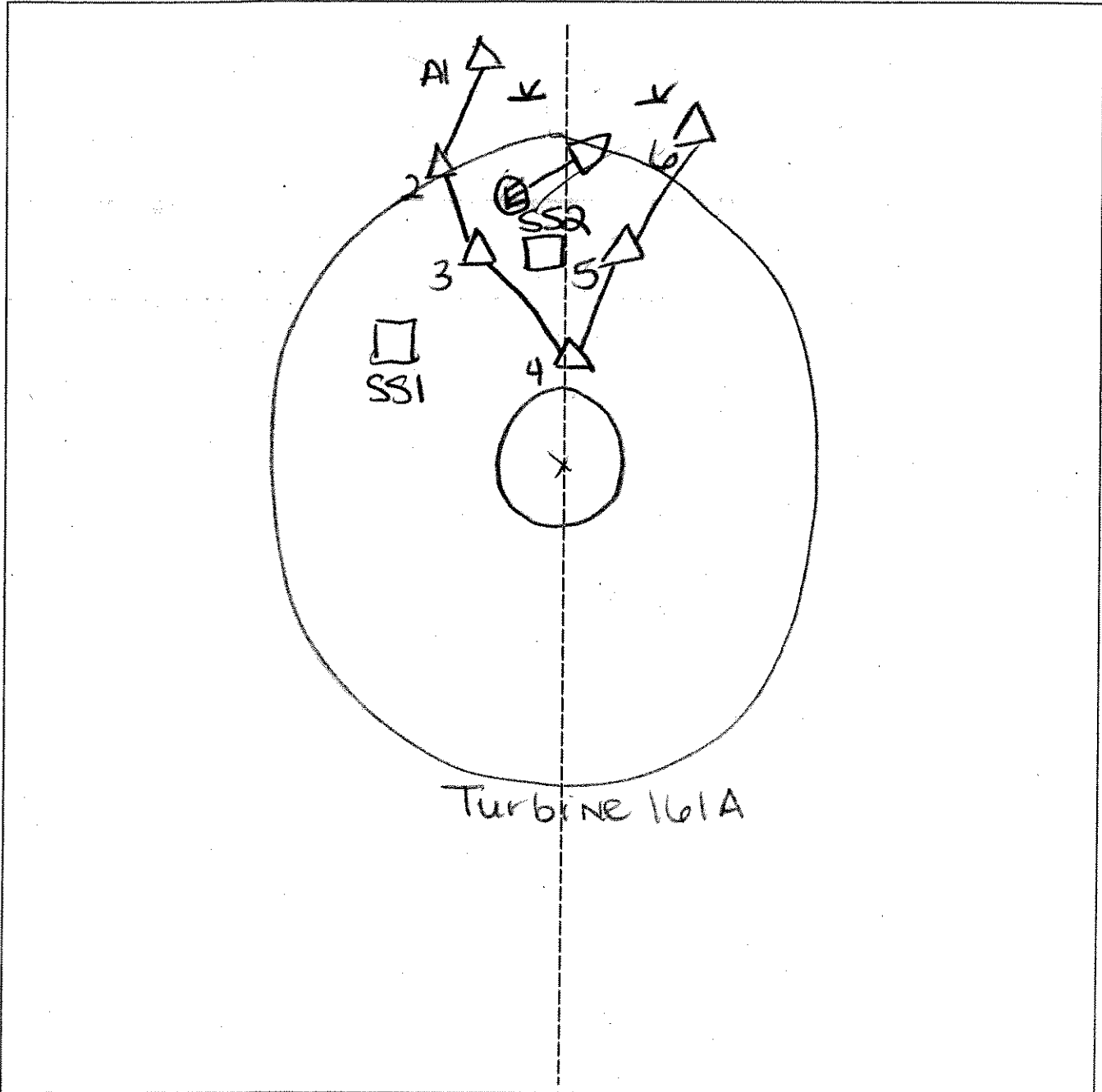
Yes No  
 Yes No  
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: WTG 161A	Date: 7-13-06	Time:
Initials of Delineators: BQ	Location: Turbine 161A	
Roll #:	Frames: photo facing East	



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>KH, JV</i>	Date: <i>7/27/06</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>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**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input 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>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: <span style="float: right;">Refusal of auger 6"</span>					

**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: wetland plants mostly concentrated in old logging road. No soil pulls possible in those areas. SS1 taken from 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? 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>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.): <input type="text"/>  Depth to Free Standing Water in Pit (in.): <input type="text"/>  Depth to Saturated Soil (in.): <input type="text"/>	
Remarks:	

Date: 7/17/06  
 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)

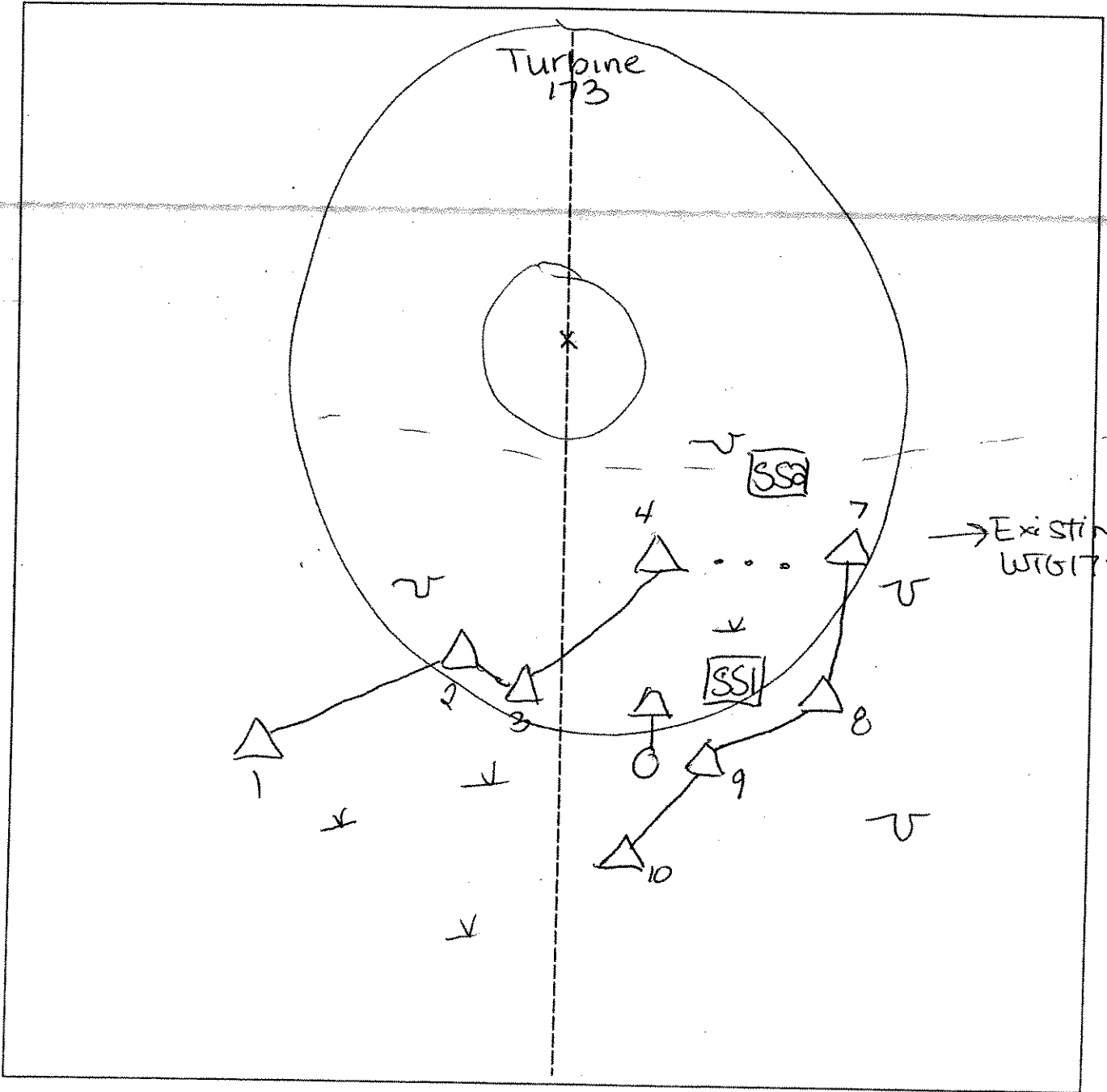
Remarks: *- refusal auger at 12"*  
*- some gravel (pebbles) pick up in B layer*

**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
	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: <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. sagittatum)</u>	<input checked="" type="checkbox"/>	<u>OBL</u>	14. <u>...</u>		
7. <u>Virginia blue</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 pectinacea</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>Raspberries</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.):	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

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	—	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:

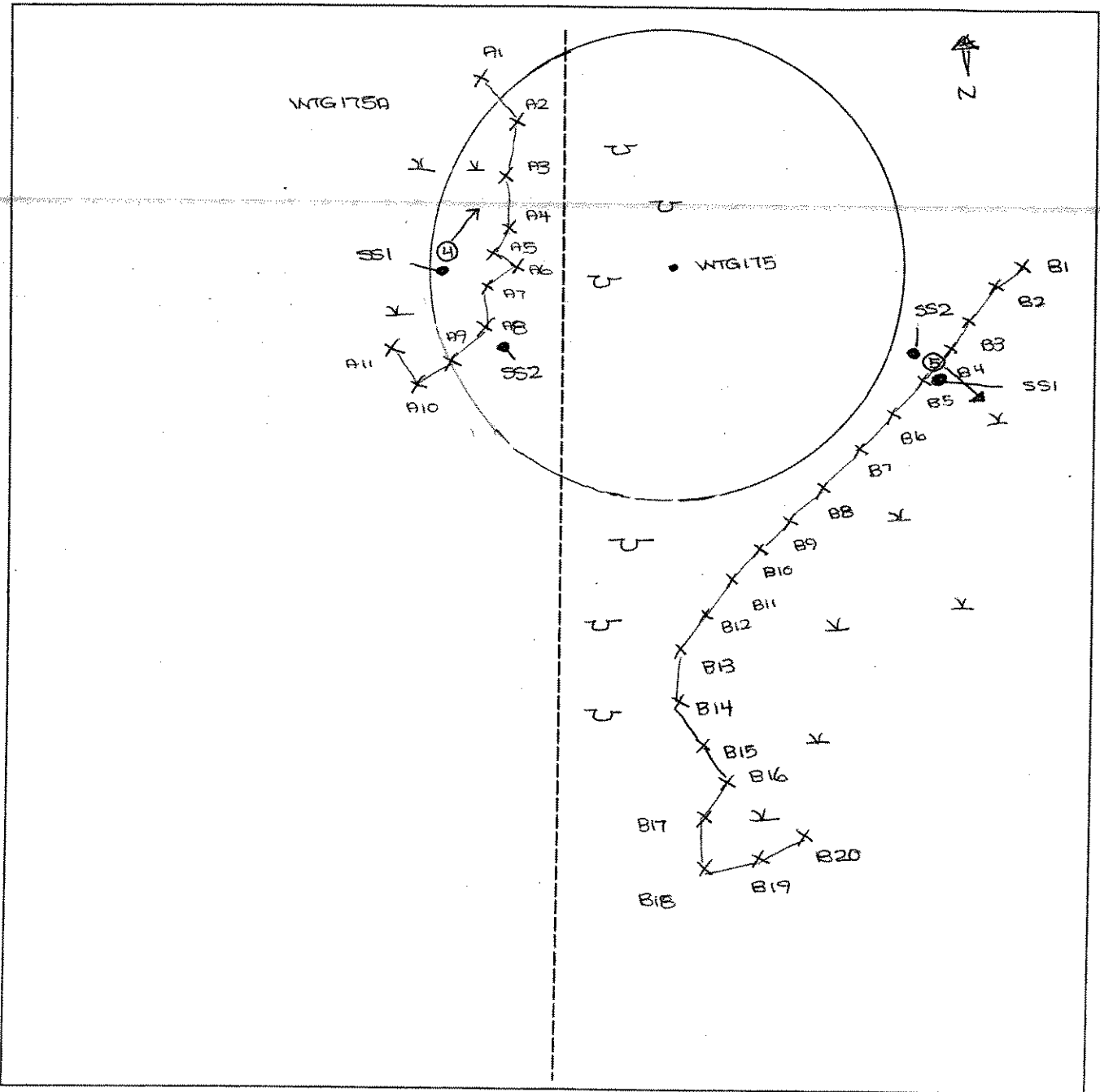
**WETLAND DETERMINATION**

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

<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-175A/B	Date: 9/7/06	Time:
Intials of Delineators: IB, JV	Location: Turbine 175 + AR from Liberty Pole Rd.	
Roll #:	Frames:	

← Liberty Pole Rd →

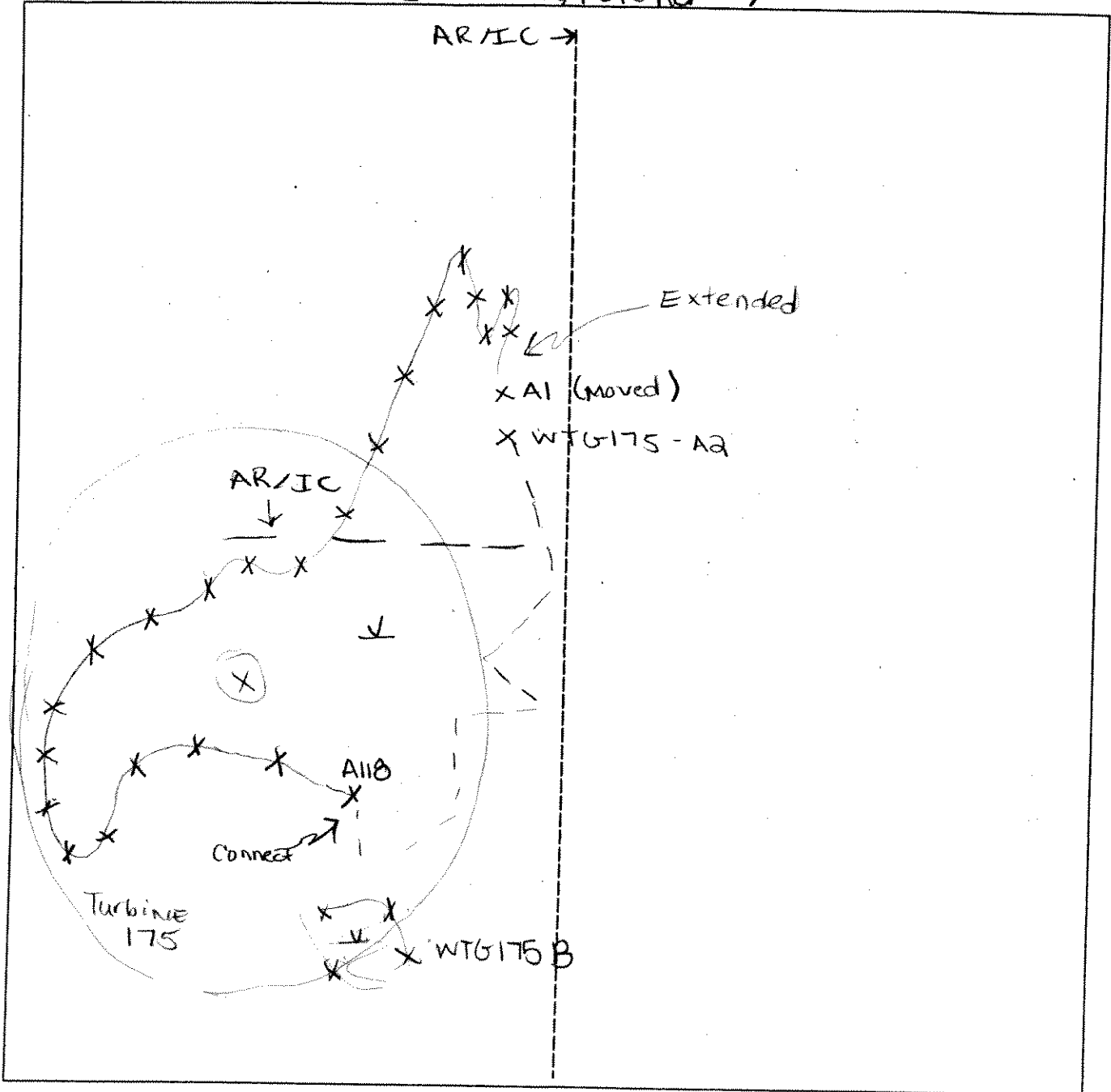


Photo Location/Direction	<b>Legend</b>	Wetland	↑
Sample Station		Upland	↓
Centerline		Stream	N
Flag		Intermittent Stream	

**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>7-26-06</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%; 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>WTG 175-B-551</u>							

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>40</u> Herb: <u>60</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Yellow birch</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Balsam Poplar</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Interlocked fern</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Ostrich fern</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Sensitive fern</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Carex intyrescens</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Speckled alder</u>	<u>SH</u>	<u>FACW</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <span style="float: right;"><u>100%</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 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: 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**

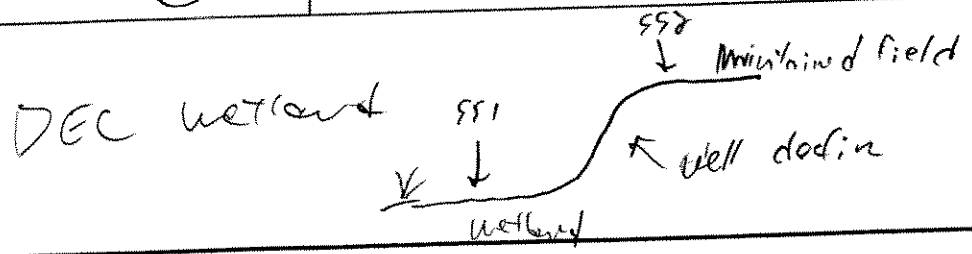
- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma Colors
- Concretions
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other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

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<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? <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: 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. caesariensis	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>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 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**

<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: 7-28-06  
 Community ID: wetland  
 Plot ID: WIG 201-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.	
0-19	Oe	2.5Y 2.5/1	10YR 5/3	2%	Sapric	
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:						

**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>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 checked="" type="radio"/> Yes  <input checked="" type="radio"/> Yes         </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> No  <input checked="" type="radio"/> No  <input checked="" type="radio"/> No         </td> </tr> </table>	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> Yes <input checked="" type="radio"/> Yes	<input type="radio"/> No <input checked="" type="radio"/> No <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input checked="" type="radio"/> Yes <input checked="" type="radio"/> Yes	<input type="radio"/> No <input checked="" type="radio"/> No <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	FACW	9.		
2. Thistle ( <i>C. vulgare</i> )	H	FACW	10.		
3. Timothy	H	FACW	11.		
4. Willow sp (Mowed)	SH	assumed	12.		
5. Galium nudg	H	NI	13.		
6. Tall bedstraw	H	FACx	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**

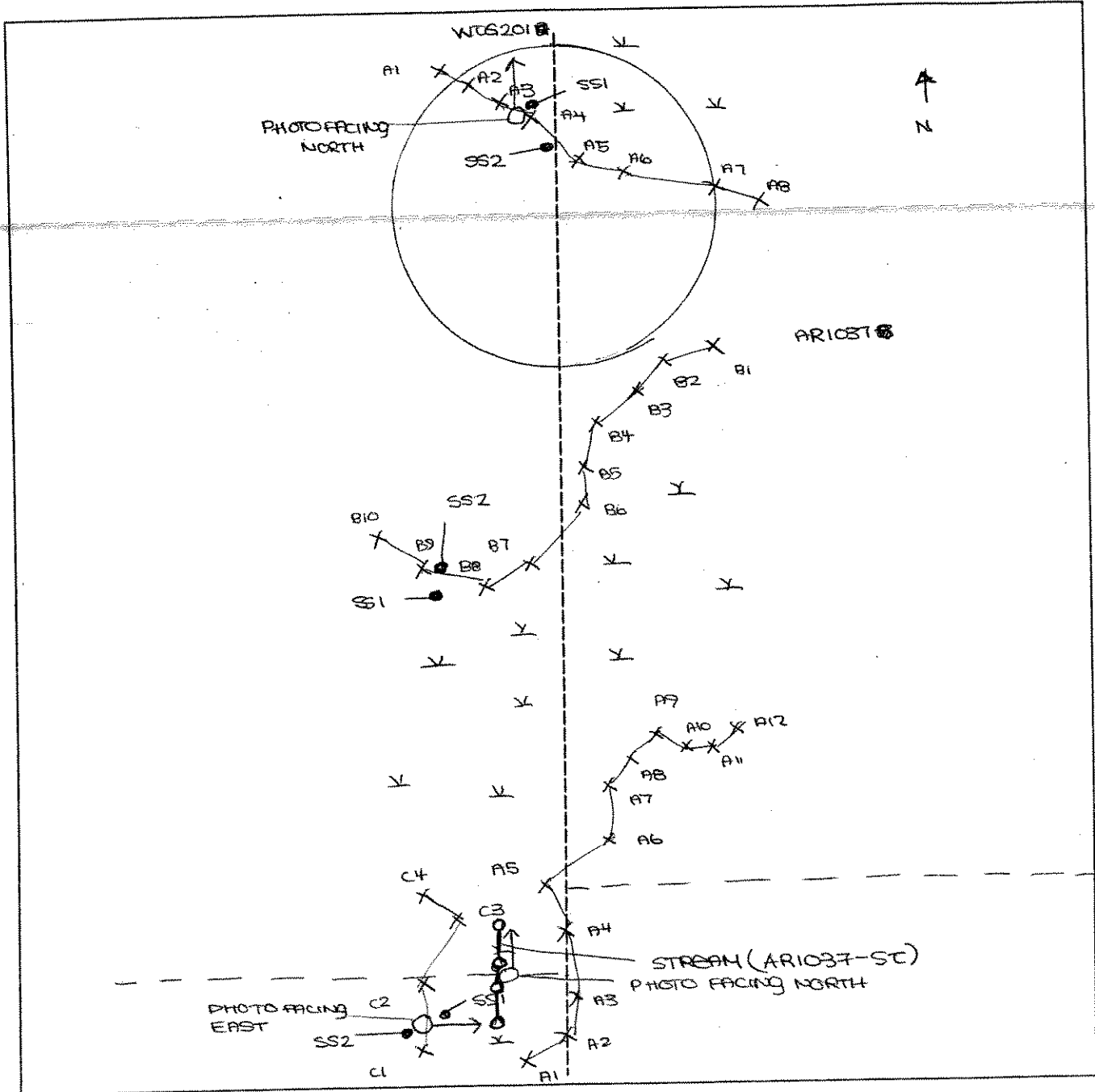
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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> EG / SC	<b>Location:</b> MARBLE 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>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 551</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>Sweet fern</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.	
0-10	A <sub>2</sub>	7.5Y 2.5/1	7.5YR 3/3	2%	Sandy loam	
10-15	B <sub>w</sub>	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: BA	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 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: WTG 200A-A-552

**VEGETATION**

Plant Community Classification: Tree: 60 Shrub: 25 Herb: 35 Vine: 0  
Percent Canopy Cover: Tree: 60 Shrub: 25 Herb: 35 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Prunus serotina</i>	I	FACU	9.		
2. <i>Betula populifolia</i>	I	FAC	10.		
3. <i>Raspberries</i>	SH	FAC	11.		
4. <i>Late goldenrod</i>	H	FACW	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 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 <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**

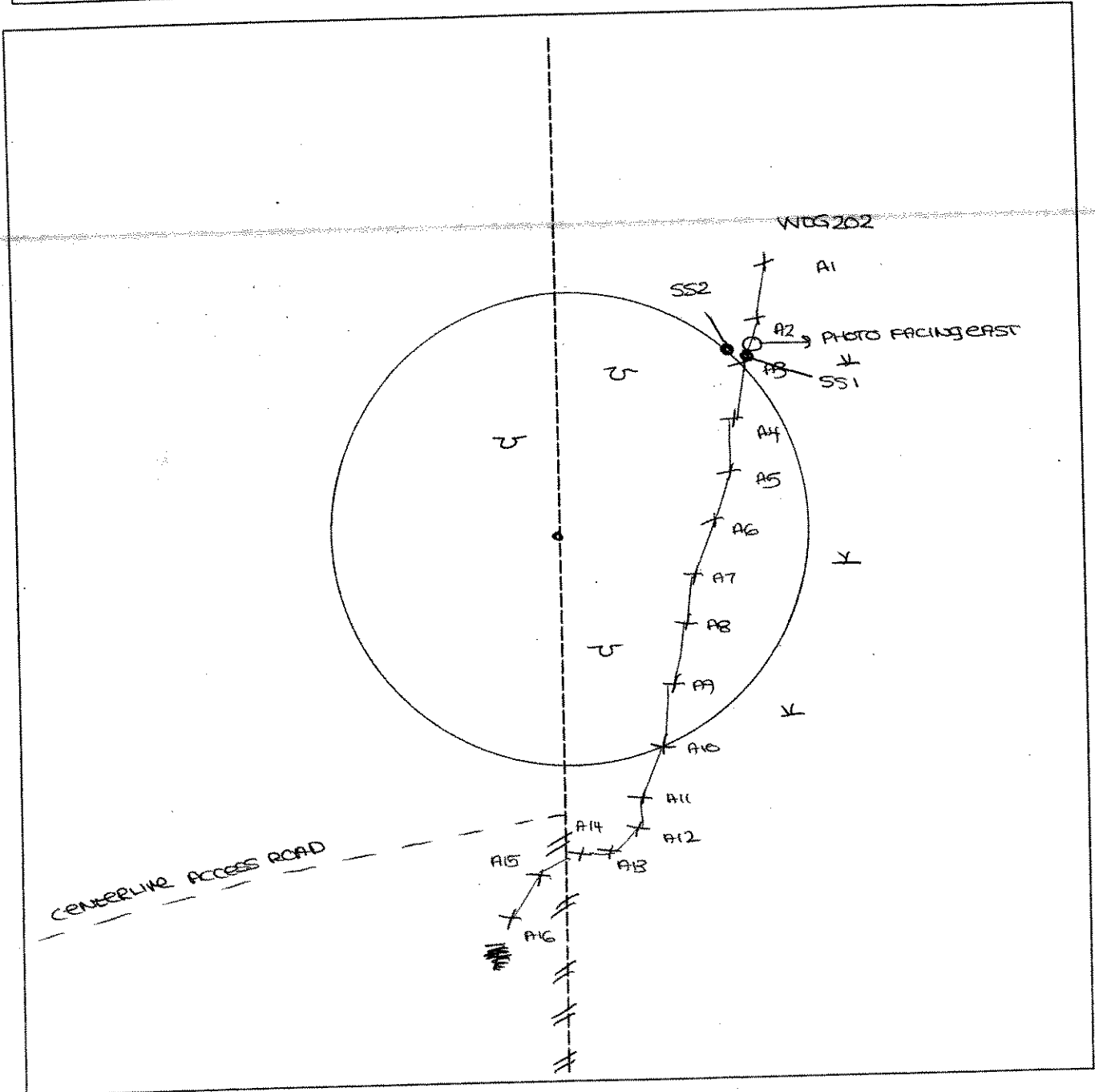
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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?	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 #: WGS202A	Date: 7/28/06	Time:
Initials of Delineators: BG / 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>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 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>WTB204A1B</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 Intermittent</u>	<u>H</u>	<u>FACW+</u>			12.
5. <u>Intermittent Tree</u>	<u>TLS</u>	<u>FAC</u>			13.
6. <u>Tree 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 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 type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil 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 <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>BWS 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 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>WTB-204A/17-SS2</u>

**VEGETATION**

Disturbed Upland Area

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>20%</u>	Shrub: <u>5%</u>	Herb: <u>5%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>TRIK CHERRY</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>RAISAM FIR</u>	<u>TISH</u>	<u>FAC</u>	10.		
3. <u>TRAINED PORN</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>PARADISE LILLY</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-):

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: 7/12/06  
 Community ID: upland  
 Plot ID:

WTB204A1B-SS2

**SOILS**

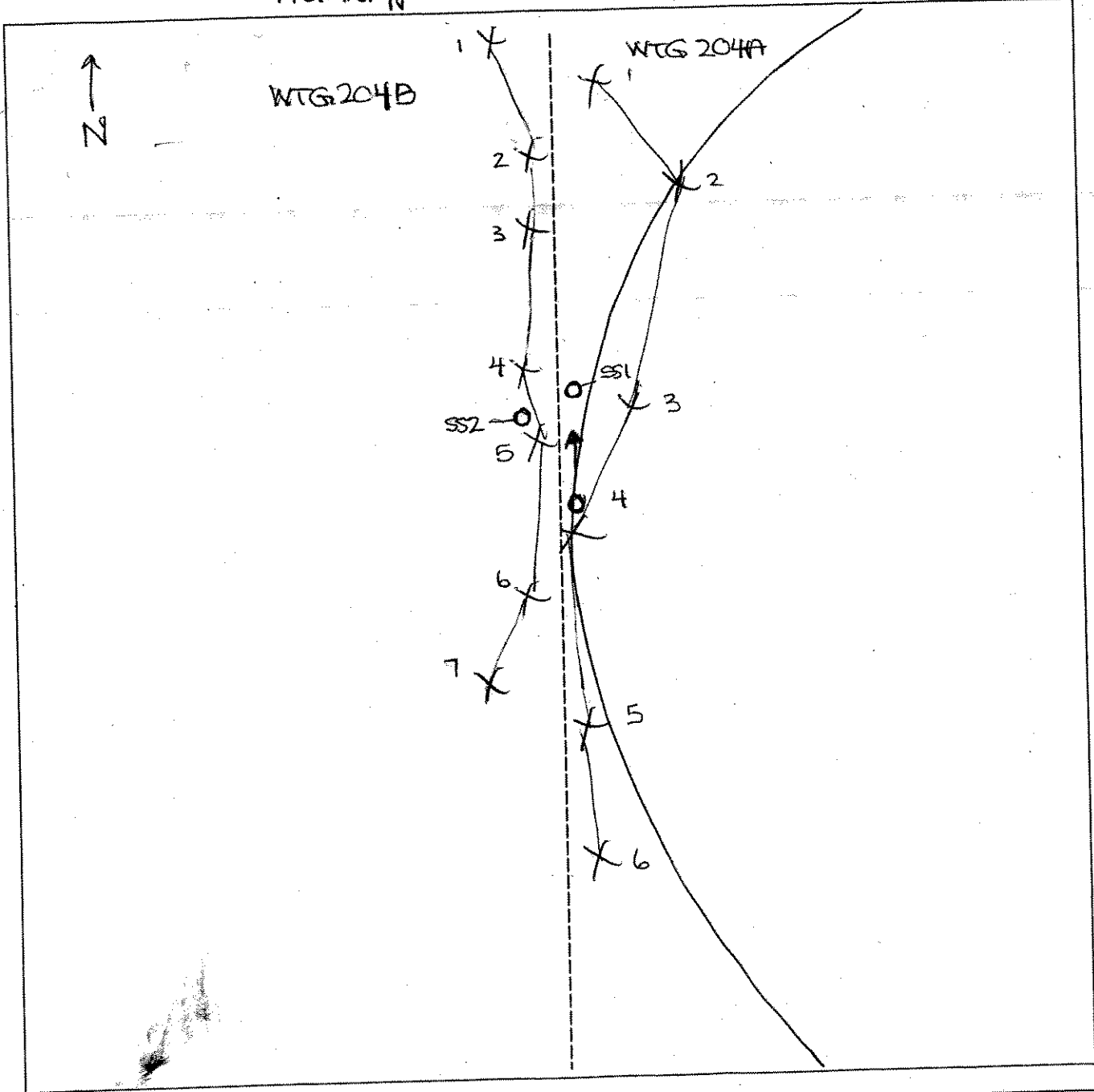
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1	—	—	ORGANIC + SILTY CLAY
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. balsamea</i>	T	FAC	9.		
2. <i>A. balsamea</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: RD JV	Date: 10/26/06 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: PFO4 Transect ID: Plot ID: WT3308-RA-SS3

**VEGETATION**

Plant Community Classification: PFO4		Shrub: 15	Herb: 75	Vine: 0	
Percent Canopy Cover: Tree: 90					
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> sp.	H	=			11.
4. <i>Pareti</i> sp.	H	=			12.
5. <i>Lycopodium</i> sp.	H	=			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 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.): 3" Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
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: <u>Coniferous Forest</u>					
Percent Canopy Cover:		Tree: <u>85</u>	Shrub: <u>15</u>	Herb: <u>5</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. balsamiae</u>	<u>T</u>	<u>FAC</u>	<u>9.</u>		
2. <u>A. rubrum</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>A. rubrum</u>	<u>S</u>	<u>FAC</u>	<u>12.</u>		
5. <u>Cinn. Arundinaceae</u>	<u>H</u>	<u>FACW</u>	<u>13.</u>		
6. <u>W. Woodwardia</u>	<u>H</u>	<u>-</u>	<u>14.</u>		
7. <u>Moss sp.</u>	<u>H</u>	<u>-</u>	<u>15.</u>		
8			<u>16.</u>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>B. pop. Sub dom</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: <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: WT6008-R-A-SS4

**SOILS**

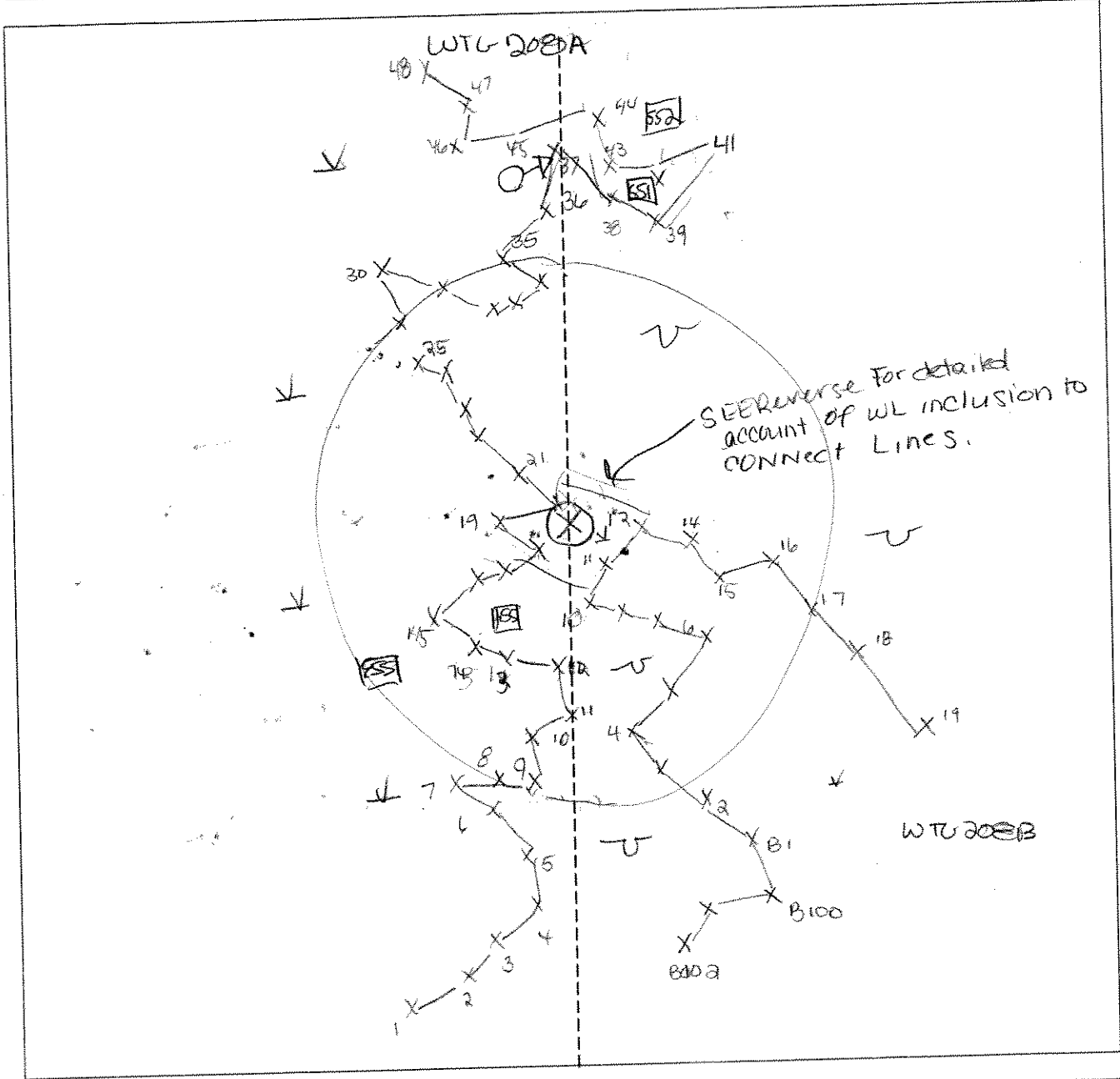
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
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	



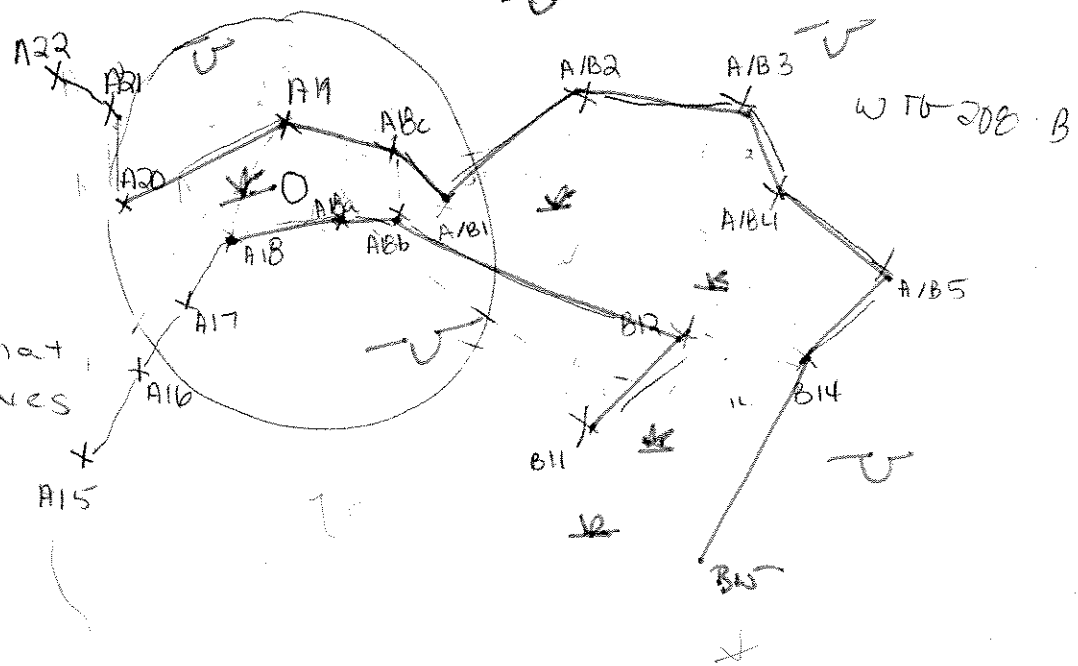
**Legend**

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





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? <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>PF04</i> Transect ID: Plot ID: <i>WT6208-R-AB-SS1</i>

**VEGETATION**

Plant Community Classification: *K130m*  
 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: WT6200-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>Maranthimum 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>
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>	
Remarks:	

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

Remarks: oxcs abundant in A, B, organic streaking in B

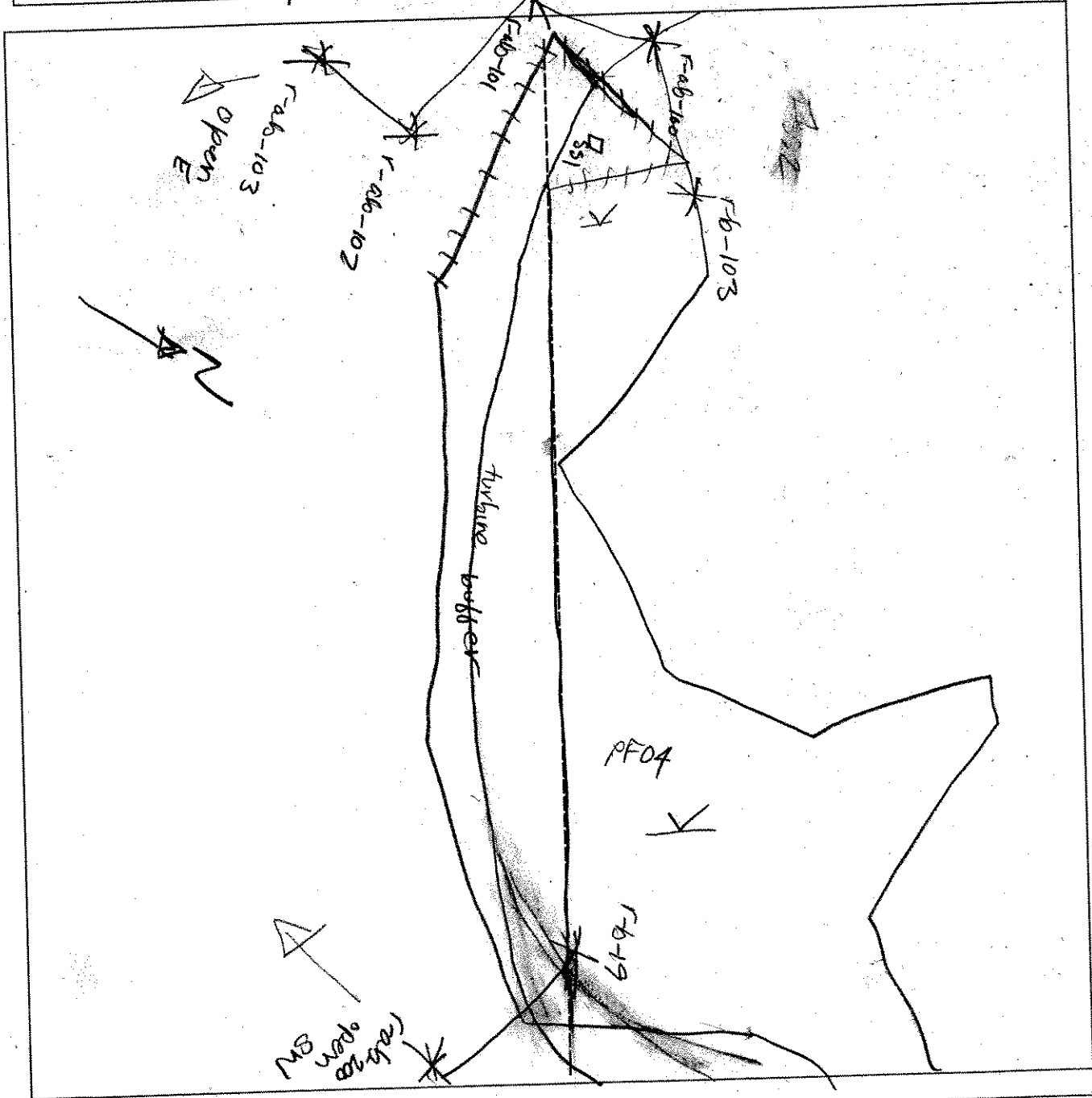
**WETLAND DETERMINATION**

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 #:	Frames: photo 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>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 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>PSS1</i> Transect ID: Plot ID: <i>WTG 209A - SS1</i> <i>WTG 1108A - SS1</i>

**VEGETATION**

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>60</i>	Shrub: <i>50</i>	Herb: <i>80</i>	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>Nemophytis 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-):				<i>7/8 = 87</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 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: <i>extremely stony soils. Soil observation limited to ± 4".          Water table assumed based on predominance of hydrophyte.</i>

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"	Ce	10YR2/1			hemie
2"	refusal				
Hydro Soil Indicators					
<i>none observed</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: <i>Extremely stony soils. Assumed non-hydric based on vegetation.</i>					

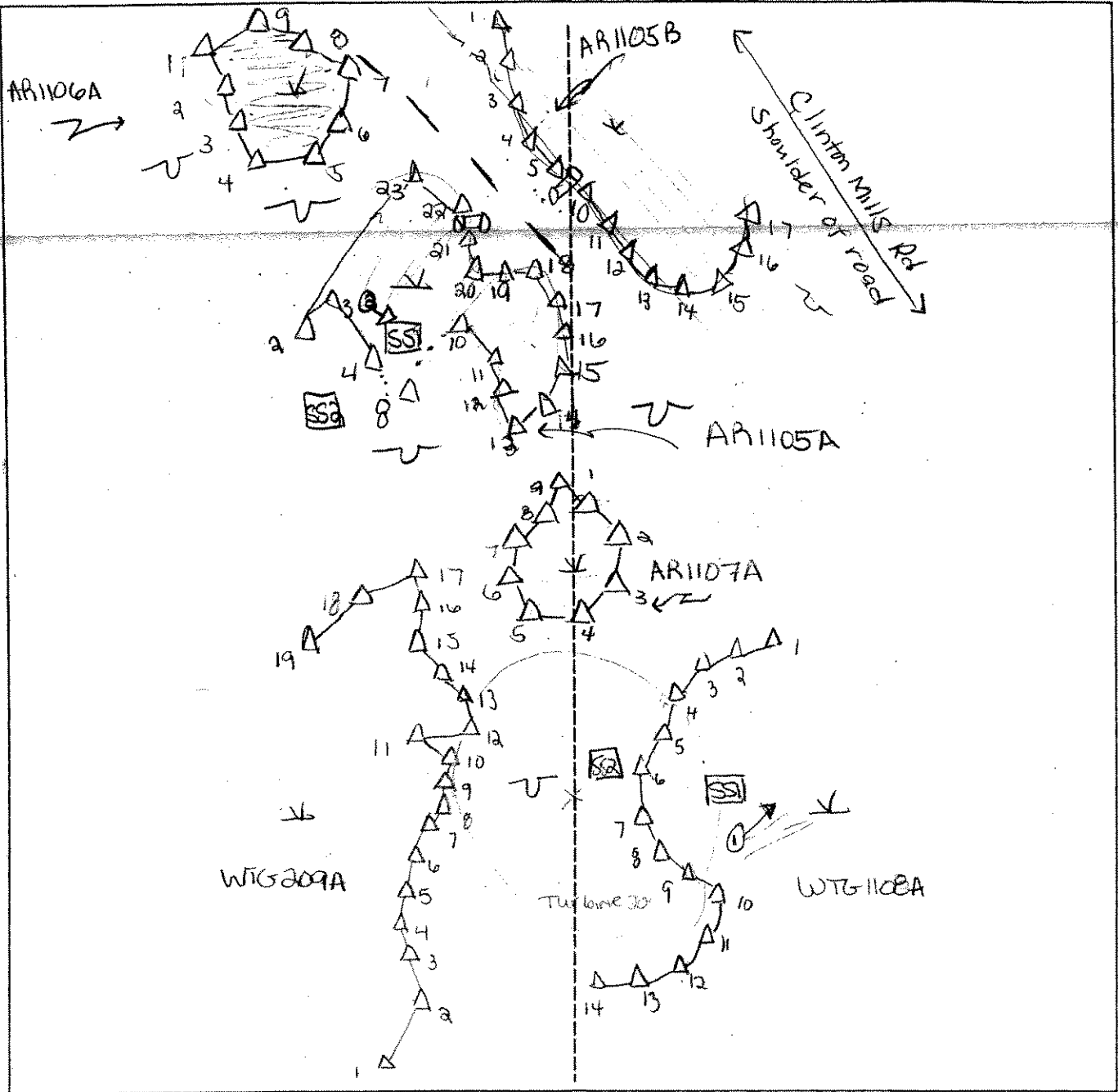
**WETLAND DETERMINATION**

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		



<u>Legend</u>	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	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>	<i>H</i>		9.		
2. <i>Red Clover</i>	<i>H</i>		10.		
3. <i>Red Clover</i>	<i>H</i>		11.		
4. <i>Red Clover</i>	<i>H</i>		12.		
5. <i>Red Clover</i>	<i>H</i>		13.		
6. <i>White Clover</i>	<i>H</i>		14.		
7. <i>Red Clover</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 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): \_\_\_\_\_ 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 3/2			Silt loam
8-16	B <sub>1</sub>	10YR 3/1-2.5/1	10YR 4/6	Com/fin/med	Silty clay loam → silty at
16-18	B <sub>2</sub>	10YR 5/2	10YR 4/3	med/med/fin	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 Rhysosol*

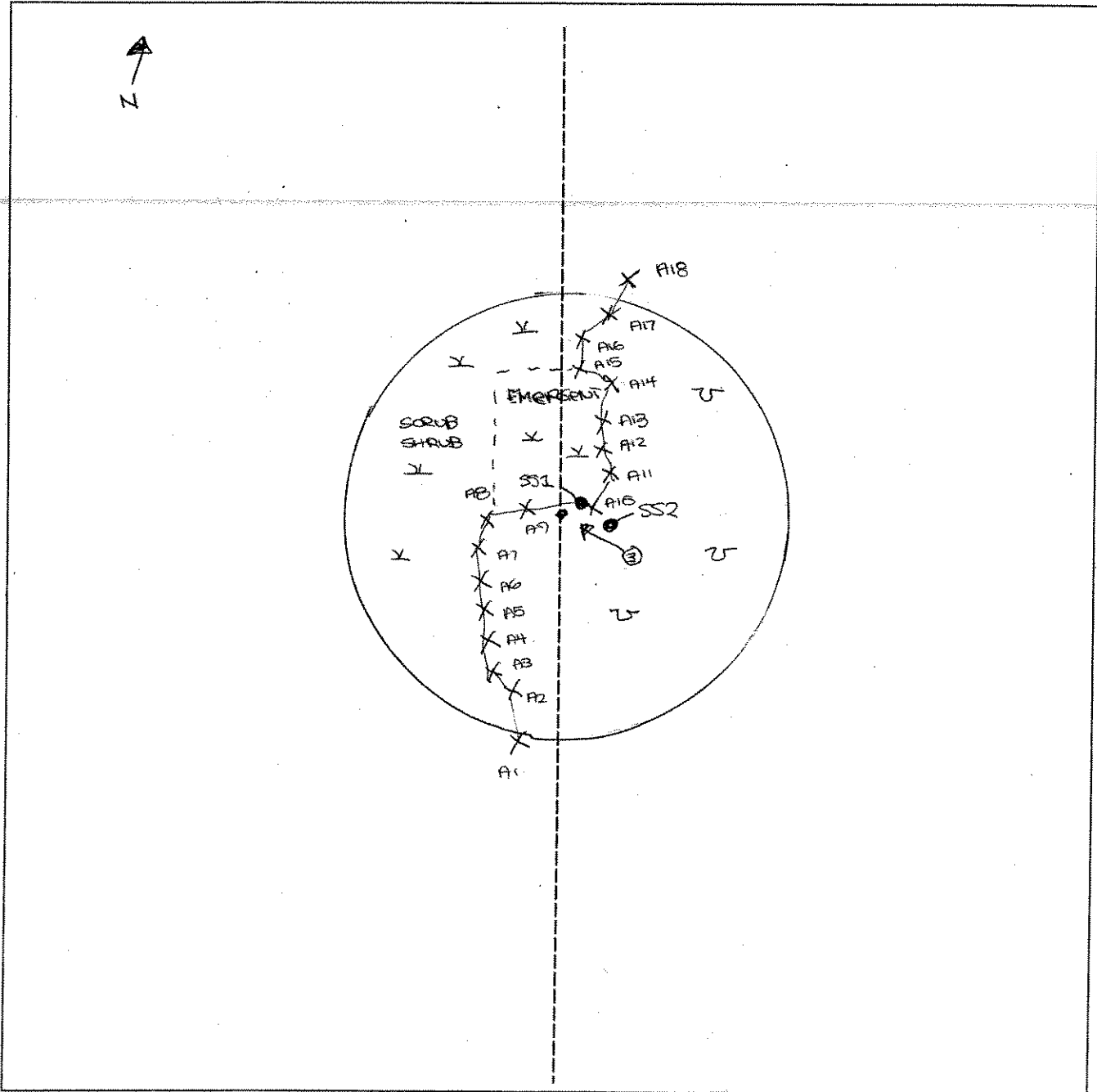
**WETLAND DETERMINATION**

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 by flood.*

### 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	

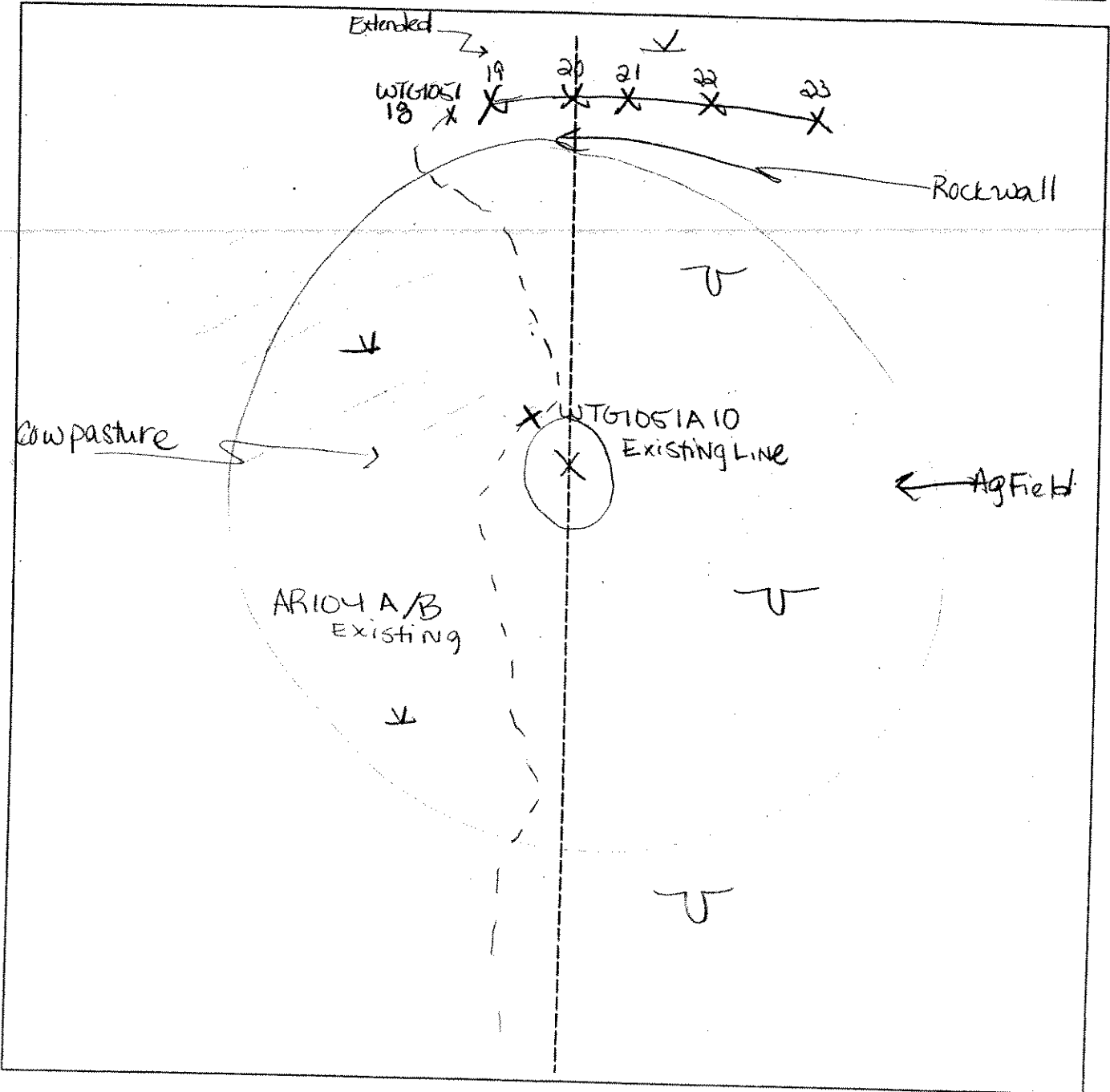


<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
FENCELINE	Stream
Flag	Intermittent Stream

LINE EXTENSION

SKETCH FORM

Wetland ID/Route #: WTG 1051 A		Date:	Time:
Initials of Delineators: JF JV		Location: Turbine 52	
Roll #:	Frames:		



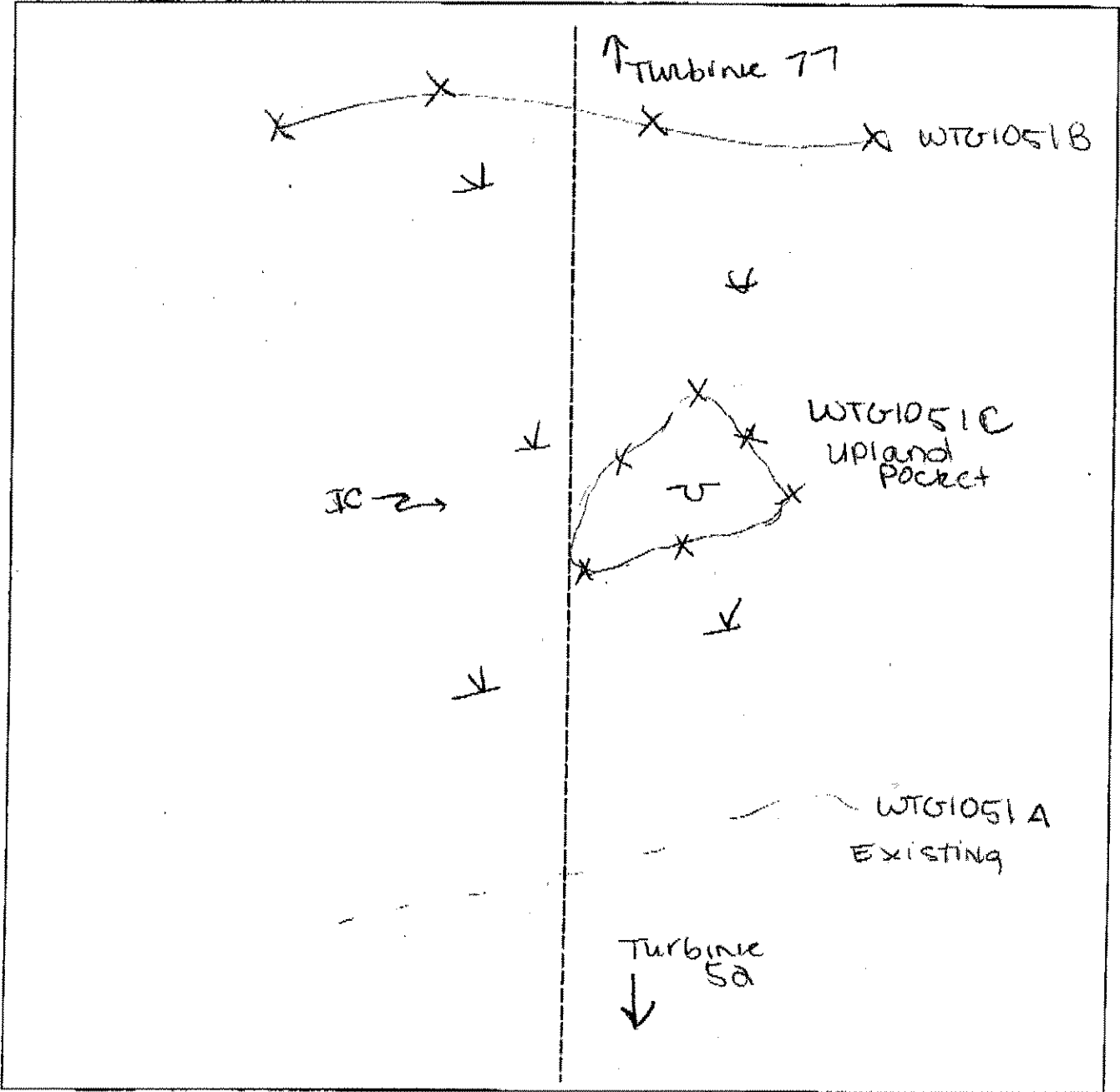
**Legend**

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
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream