

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BA</i>	Date: <i>7-26-06</i> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes <input checked="" type="radio"/> No </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 1032-4551</i>			

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>35</i> Shrub: <i>20</i> Herb: <i>40</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula papyrifera</i>	T	FAC	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Liburnum coscinodes</i>	SH	FACW	11.		
4. <i>Sphagnum</i>	H	OTBC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

HYDROLOGY

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

Date: 7-26-06
 Community ID: wetland
 Plot ID: AR 1032-A-SS1

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	
0-4	Oe	7.5YR 4/4	—	—	flat sandy loam
4-6	A	6.0YR 2/1	—	—	med sand
6-12	B _g	7.5Y 6/3	10YR 9/6	75%	

Hydro Soil Indicators

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

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

Remarks:

- organic streaking upper part of B_g

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-26-06</u> County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	<input type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	<input checked="" type="radio"/>								
Yes	<input type="radio"/>								
Community ID: <u>wetland</u> Transect ID: Plot ID: <u>AR 1032 - A - 552</u>									

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>35</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus grandidentata</u>	<u>T</u>	<u>FACV-</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC-</u>	10.		
3. <u>Betula populifolia</u>	<u>T</u>	<u>FAC-</u>	11.		
4. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Vaccinium angustifolium</u>	<u>SH</u>	<u>FACV</u>	13.		
6. <u>Blackberry</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Cornus mas</u>	<u>H</u>	<u>FAC-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>43%</u>					
Remarks:					

HYDROLOGY

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

Date: 7-26-06
 Community ID: Upland
 Plot ID: AR 1032-A-552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1	-	low	
2-4	E	10YR 6/2	-	low	
4-5	5V9	7.5YR 3/3	-		
5-7+	9u	10YR 5/6	-		

Hydro Soil Indicators

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

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

Remarks:

extremely stony/shallow soil

WETLAND DETERMINATION

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

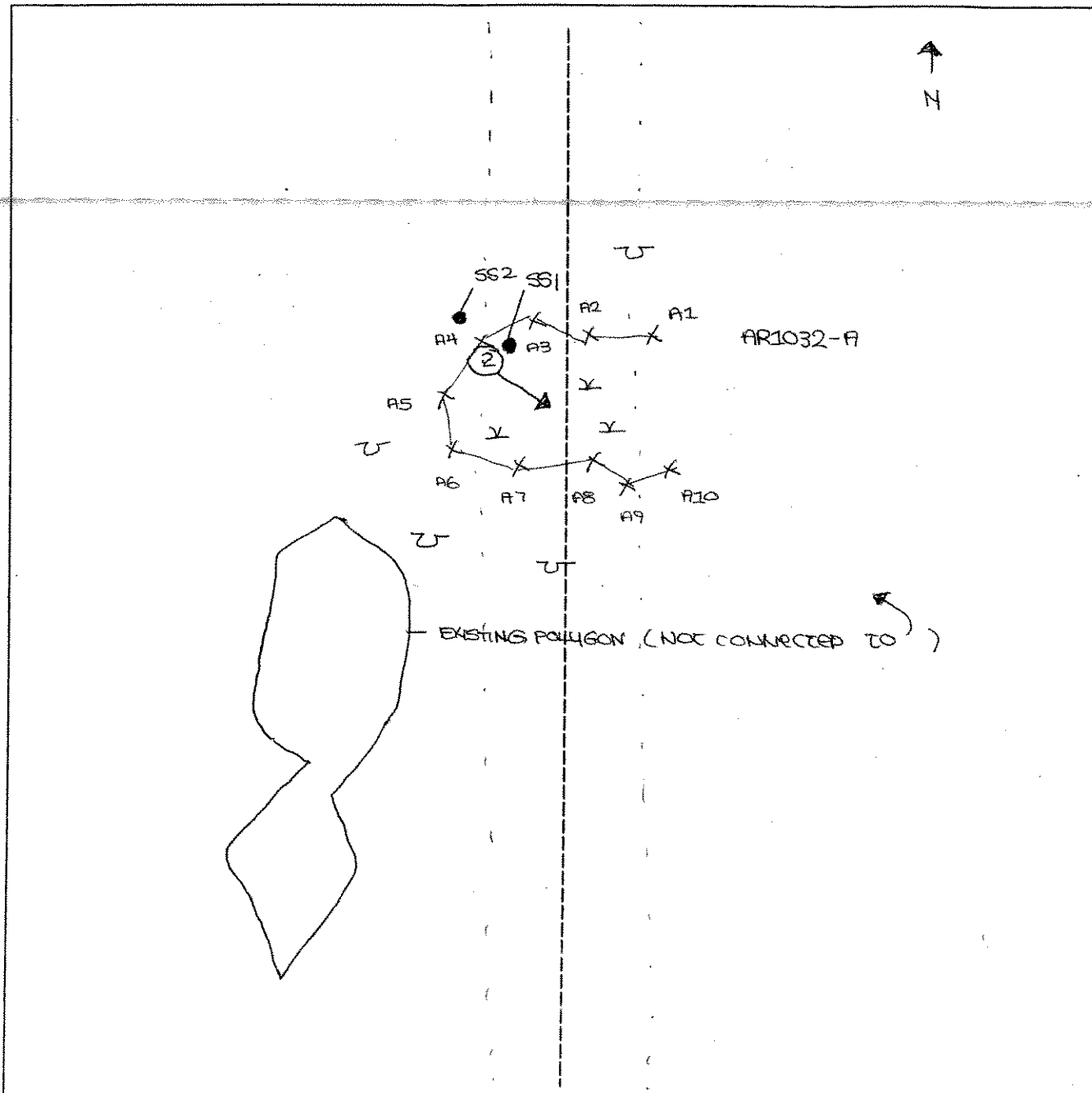
Yes No
 Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: AR1032A	Date: 7/26/90 Time: AM
Initials of Delineators: BQ	Location: MARBLE RIVER
Roll #: Frames: PHOTO②FACING SOUTHEAST	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input 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>AR 1033 A/B SSI</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>60</u>	Shrub: <u>35</u>	Herb: <u>50</u>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>FAC</u>	<u>T</u>	9.		
2. <u>Betula populifolia</u>	<u>FAC</u>	<u>T</u>	10.		
3. <u>Viburnum cassinoides</u>	<u>FACW</u>	<u>SH</u>	11.		
4. <u>Acer rubrum</u>	<u>FAC</u>	<u>SH</u>	12.		
5. <u>Sphagnum</u>	<u>OBL</u>	<u>H</u>	13.		
6. <u>Carex sp.</u>	<u>ASSOCIATED</u>	<u>H</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>6"</u>	Remarks:

Date: 7-26-06
 Community ID: wetland
 Plot ID:
 AR 1033 A/B SS1

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	De	7.5YR 3/3			peat
4-7	Da	10YR 2/1	5.5YR 3/3	2%	muck
7-8	A	10YR 3/2			discontinuous
8-10	Bg	8.5Y 6/2			

Hydro Soil Indicators

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

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

Remarks:

extremely stony/shallow soil

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-26-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: <u>CPTCUD</u> Transect ID: Plot ID: <u>RT 1033 A/B-SS2</u>	

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>20</u> Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Blackberry</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	12.		
5. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	13.		
6. <u>Sarsaparilla</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>73%</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>low observed</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-26-06
 Community ID:
 Plot ID:
 AR 1033 A/B-552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 7/1	—	none	Sandy loam
2-3	E	10YR 6.5/2	—	none	↓
3-6	BC	10YR 5/6	—	none	

Hydro Soil Indicators

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

Remarks:

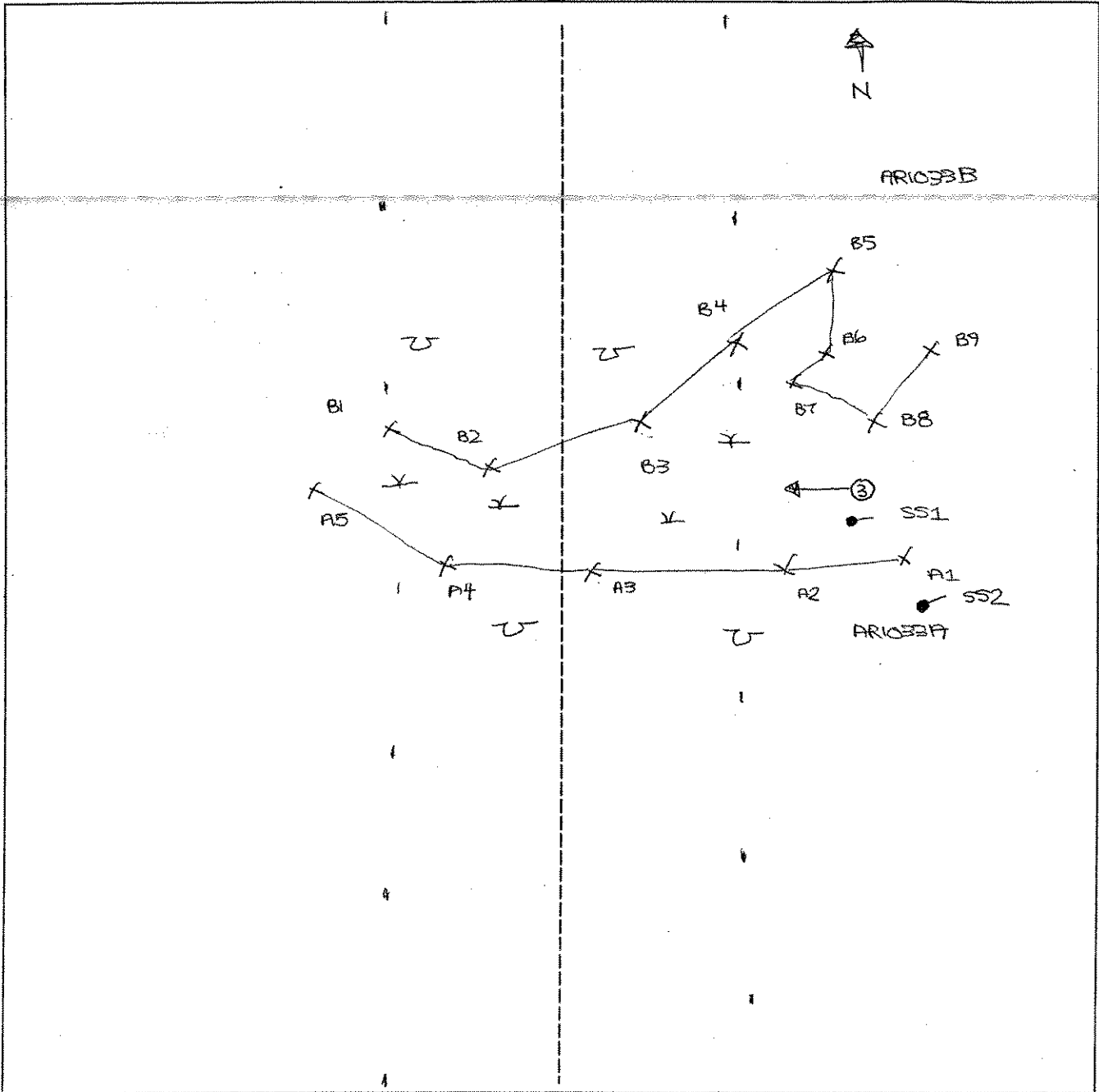
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR1033 A/B	Date: 7/26/06	Time: AM
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO ③ FACING WEST	



<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>7-27-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR 1084-A-551</u>							

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>65</u> Herb: <u>35</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. W. Cedar</u>	<u>T</u>	<u>FACW</u>	9. <u>S. Anglica</u>	<u>H</u>	<u>OBL</u>
2. <u>A. rugosa</u>	<u>SH</u>	<u>FACW</u>	10.		
3. <u>Shadblow (A. canadensis)</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Rubus idaeus</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Spartan Fern</u>	<u>H</u>	<u>FACW</u>	13.		
→ 6. <u>Dryopteris puberula</u>	<u>H</u>	<u>FACW</u>	14.		
→ 7. <u>Carex sp</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Carex sp</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>78%</u>					
Remarks:					

HYDROLOGY

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

Date: 7-28-06
 Community ID: AR1034-A
 Plot ID: S51

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A/0	10YR 2/1	2.5Y 4/2	2%	MUCKY MINERAL
10-15	B	2.5YR 5/2	2.5YR 5/6	7%	sand, 10cm
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BCO</i>	Date: <i>7-27-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>ATC 1034-A-SSL</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>10</i>	Herb: <i>100</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ox. grass</i>	<i>H</i>	<i>-</i>	9.		
2. <i>Deudolion</i>	<i>H</i>	<i>FACW-</i>	10.		
3. <i>Plantago major</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Morua punctata</i>	<i>H</i>	<i>VPL</i>	12.		
5. <i>Rubus allegheniensis</i>	<i>SH</i>	<i>FACW-</i>	13.		
6. <i>Vicia sativa</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Galium nudugo</i>	<i>H</i>	<i>NI</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks: <i>Maintained field</i>					

edge field

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 <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 observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks:

Date: 7-27-06
 Community ID: upland
 Plot ID:

ATZ 1034-A-552

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-16	Ap	10YR 7/2	7.5YR 3/3	2% (lower part)	sandy loam
16+	Bw	10YR 5/4	None	—	sandy loam

Hydro Soil Indicators

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

Remarks:

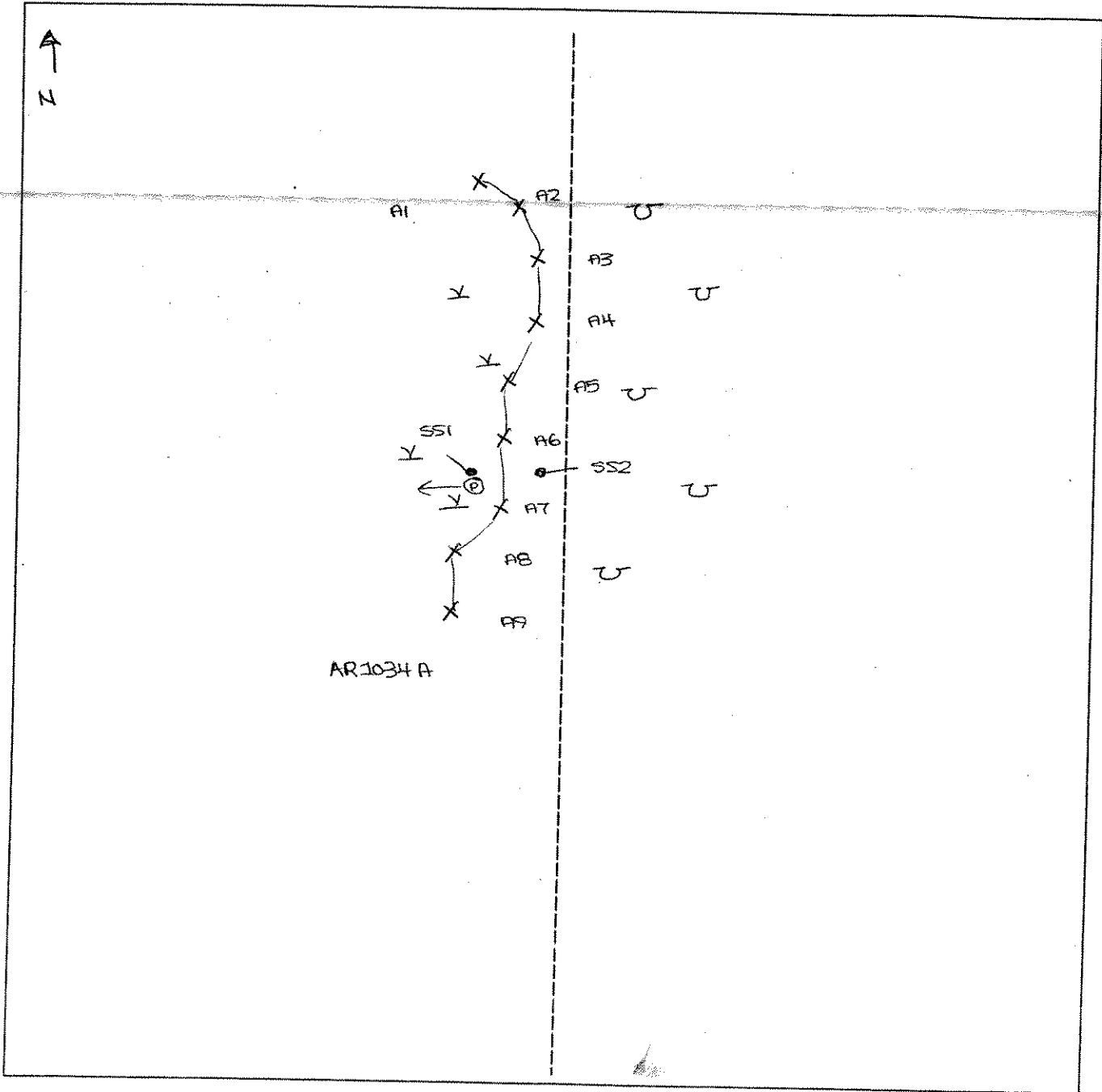
WETLAND DETERMINATION

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 #: AR1034-A	Date: 7/26/00	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #: Frames: PHOTO FACING WEST		



<u>Legend</u>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> Photo Location/Direction</p> <p> Sample Station</p> <p> Centerline</p> <p> Flag</p> </div> <div style="width: 45%;"> <p> Wetland</p> <p> Upland</p> <p> Stream</p> <p> Intermittent Stream</p> </div> </div>	

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BA</u>	Date: <u>7-27-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>ATL1035-A-991</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>20</u> Herb: <u>20</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula papyrifera</u>	<u>T</u>	<u>FAC</u>	9.		
→ 2. <u>N.W. Cedar</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Royal Fern</u>	<u>H</u>	<u>OBL</u>	11.		
4. <u>Balsam Fir</u>	<u>SH</u>	<u>FAC</u>	12.		
5. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	14.		
→ 7. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Red Spruce</u>	<u>T</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>75%</u>					
Remarks:					

HYDROLOGY

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

Date: 7-27-06
 Community ID: wetland
 Plot ID: AR 1035-A-551

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	①	10 YR 3/1			
3-5	A	2.5 YR 3/2	7.5 YR 7/3	78%	Sandy loam
5-15	BA	2.5 YR 5/2	10 YR 4/4	75%	Sandy loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<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: <i>BC</i>	Date: <i>7-27-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>NHewk</i> Transect ID: Plot ID: <i>ATZ 1035-ASSD</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>65</i>	Shrub: <i>35</i>	Herb: <i>5</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam poplar</i>	<i>SH</i>	<i>FAC</i>	9.		
2. <i>Hackberry</i>	<i>T</i>	<i>FACW</i>	10.		
3. <i>Betula papyrifera</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>Canada mayflower</i>	<i>H</i>	<i>FAC-</i>	12.		
5. <i>Red spurge</i>	<i>T</i>	<i>FACW</i>	13.		
6. <i>Balsam poplar</i>	<i>T</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <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 <i>low</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 observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-27-06
 Community ID: Upland
 Plot ID:
 AR 1035-A-852

SOILS

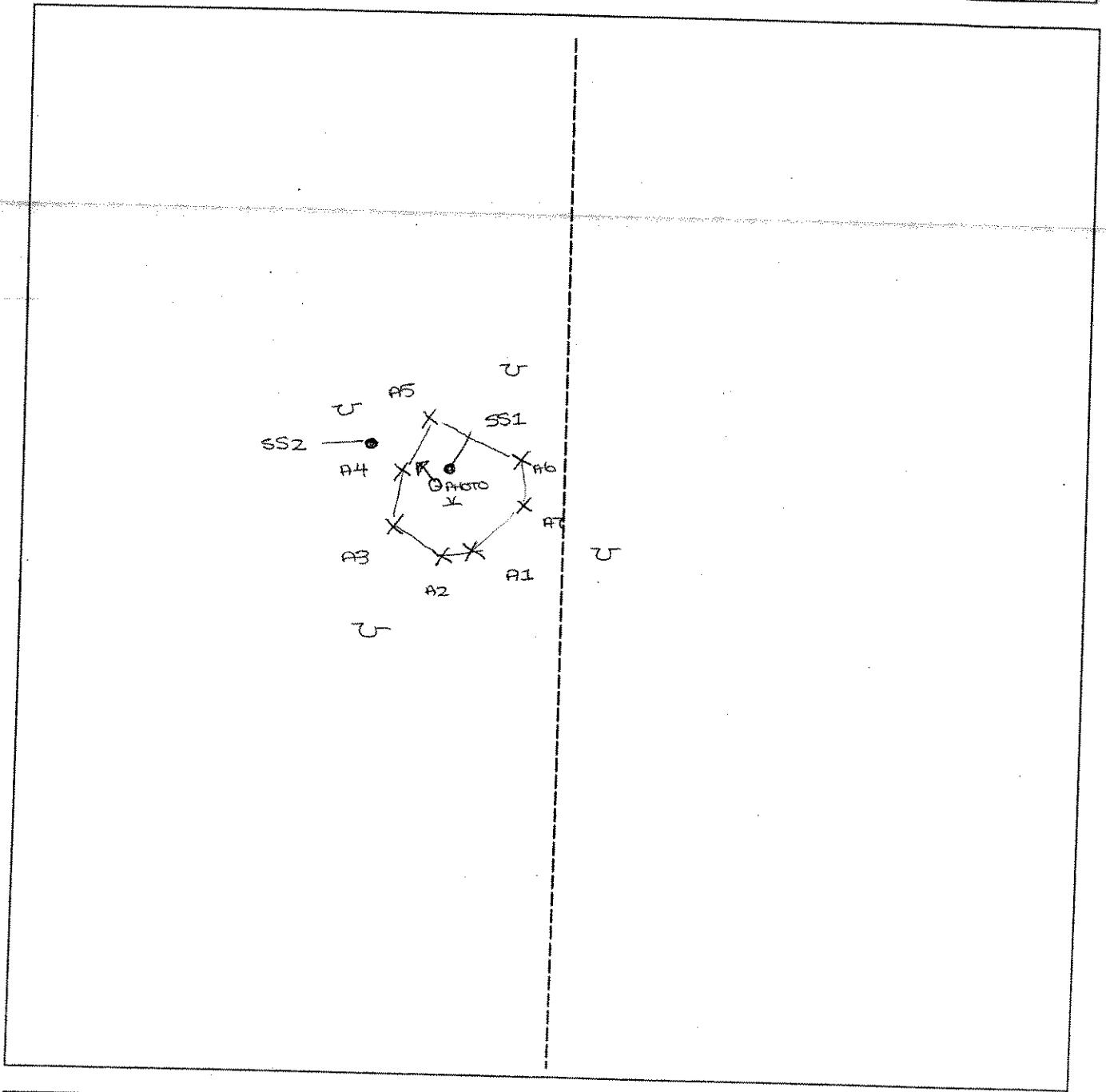
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O _i				
2-7	A	10YR 7/2	None		Sandy loam
7-15	B ₁ g1	7.5YR 3/3	NONE		↓
15-18+	BW ₂	10YR 4/4	NONE		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <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 #: AR1035A	Date: 7/27/06 Time: PM
Initials of Delineators: BR / SC	Location: MARBLE RIVER
Roll #: Frames: PHOTO FACING NORTHWEST	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-28-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>wetland</u> Transect ID: Plot ID: <u>ARC 1036-1-SS1</u>							

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>30</u> Herb: <u>90</u> Vine: <u>1</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Prunus americana</i>	T	FACU	9. <i>Carex</i> sp.	H	OBSERV
2. <i>Acer rubrum</i>	T	FAC	10. <i>Bousetia</i> (E. <i>perfoliata</i>)	H	FACW
3. <i>Spiraea latifolia</i>	SH	FACW	11. <i>Solidago rugosa</i>	H	FAC
4. <i>Betula pumila</i>	SH	FAC	12. <i>Solidago</i> sp.		
5. <i>Quercus alba</i>	H	FACU	13. <i>Sagittaria</i> sp.	H	FAC
6. <i>Carex lupulina</i>	H	OBL	14. <i>Aristida</i> sp.	V	OBL
7. <i>Carex</i> <i>virginica</i>	H	OBL	15.		
8. <i>Scirpus atrovirens</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>85%</u>					
Remarks: <u>old "clear cut" area</u>					

HYDROLOGY

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

Date: 7/28/06
 Community ID: WETLAND
 Plot ID: AR1036-A-SSI

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	AP	2.5YR 2.5/1	7.5YR 3/3	2%	Sandy loam
10-16+	B	2.5YR 6/2	2.5YR 5/6 2.5YR 6/1	5%	↓

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>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.)	<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>AR 1036-A-552</i>

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: *10* Shrub: *35* Herb: *30* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer saccharum</i>	T	FACU-	9.		
2. <i>Acer rubrum</i>	SH	FAC	10.		
3. <i>Acer spicatum</i>	SH	FACU-	11.		
4. <i>Fraxinus americana</i>	SH	FACU	12.		
5. <i>Choke cherry</i>	SH	FACU	13.		
6. <i>Solidago rugosa</i>	T	FAC	14.		
7. <i>Solidago gigantea</i>	T	FACW	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *43%*

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input 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 <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 observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks:

Date: 7/28/06
 Community ID: UPLAND
 Plot ID: AR1036A-SS2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2	NONE	—	SANDY LOAM
6-12	B	10YR 3/4	NONE	—	SANDY LOAM

Hydro Soil Indicators

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

Remarks: EXTREMELY ROCKY / BEDROCK @ 12"

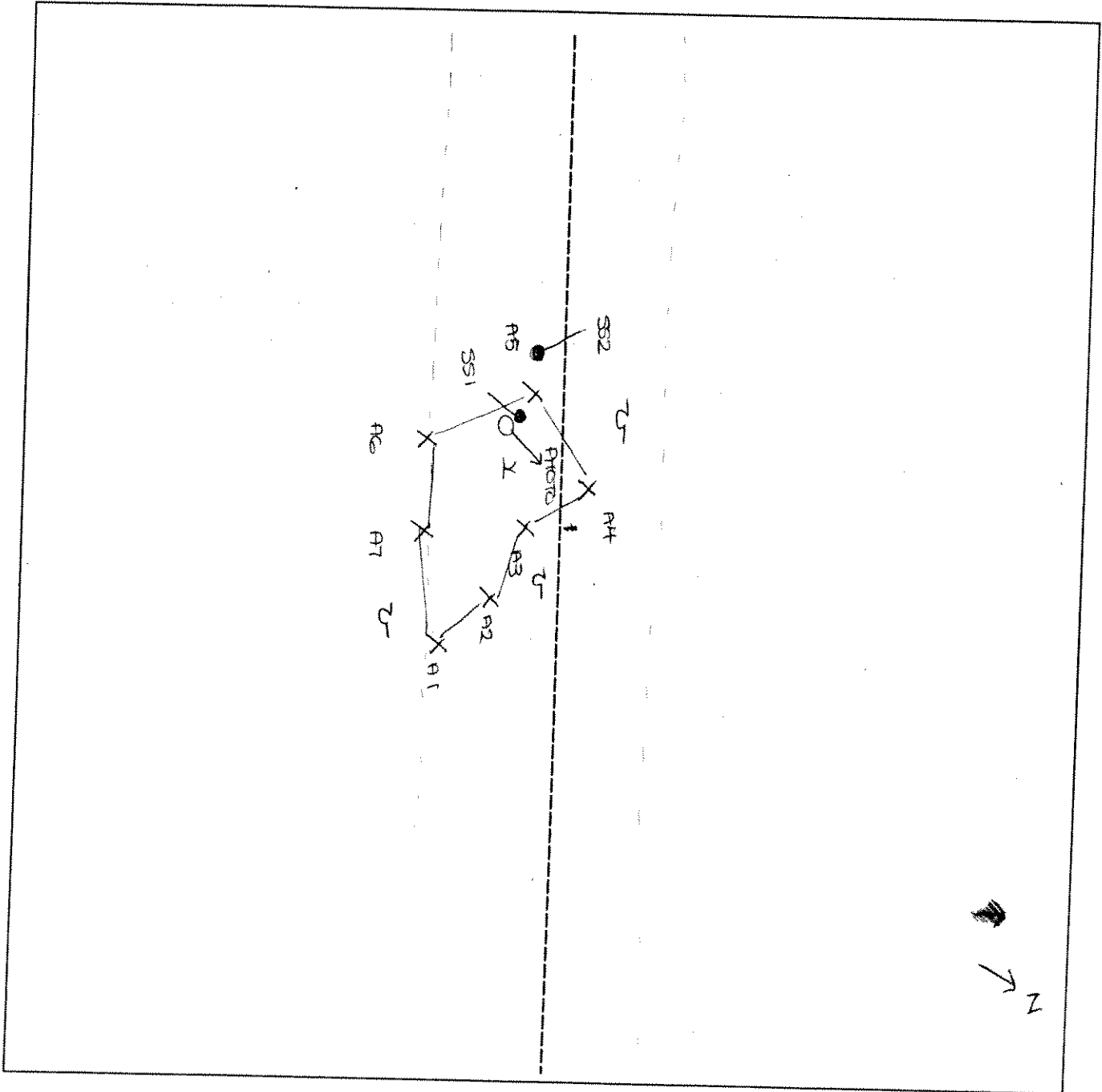
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR1036A	Date: 7/28/00	Time:
Intials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #: Frames: PHOTO FACING NORTHEAST		



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BO</i>	Date: <i>7-28-0</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>see remarks</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 1031-B-551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>15</i>	Herb: <i>95</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex scoparia</i>	H	OBL	9. <i>Juncus sp.</i>	H	OBL
2. <i>Carex vulpinoidea</i>	H	OBL	10. <i>Juncus latifolius</i>	H	OBL
3. <i>Carex lasiocarpa</i>	H	OBL	11. ARROWLEAF BARTONIA	V	OBL
4. <i>Bouteloua</i>	H	FACW+	12. ELYCHORIS	H	OBL
5. <i>Timothy</i>	H	FACU	13.		
6. <i>Scirpus atrocaryophyllus</i>	H	OBL	14.		
7. <i>Salix rugosa</i>	SH	FACW+	15.		
8. <i>Willow sp.</i>	SH	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>92%</i>					
Remarks: <i>- recently mowed field, veg still identifiable</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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 <input type="checkbox"/> Water-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>0-2"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

Date: 7-28-06
 Community ID: wetland
 Plot ID:

ATC 1037-B-551

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	AP	2.5Y 2.5/1	7.5YR 3/3	5% 10	sandy loam
15-18+	B	2.5Y 4/2	2.5Y 6/1	75% 10	COARSE loamy sand
			10YR 4/6		

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

- Dec is maintained field essentially cut out of large PSS wetland area (alder) as evident on all sides
 - DEC wetland

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BQ</i>	Date: <i>7-28-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="radio"/> No <input checked="" type="radio"/> <i>see Remarks</i> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 1037-13-SSR</i>	

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>100</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Claytonia (T. repens)</i>	H	FACU	9.		
2. <i>Plantago major</i>	H	FACU	10.		
3. <i>Vilca sativa</i>	H	FACU	11.		
4. <i>Yarrow</i>	H	FACU	12.		
5. <i>late goldenrod (S. gigantea)</i>	H	FACW	13.		
6. <i>Rough goldenrod</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>33%</i>					
Remarks: <i>Recently Mowed field, veg still identifiable</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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 observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-28-06
 Community ID: vpland
 Plot ID: AR 1037-B-SS 2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A ₂	10R 3/2	none	—	very loam

Hydro Soil Indicators

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

Remarks: extremely stony/shallow bedrock, can't get below ~ 10"

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQ</i>	Date: <i>7-28-03</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? 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>AR1037-6-551</i>	

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>25</i>	Herb: <i>100</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex scoparia</i>	H	OBL	9.		
2. <i>Glyceria maxima</i>	H	OBL	10.		
3. <i>Glyceria canadensis</i>	H	OBL	11.		
4. <i>Carex vulpinaeoides</i>	H	OBL	12.		
5. <i>Bowser</i>	H	FACW	13.		
6. <i>Alder (A. rugosa)</i>	SH	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <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	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-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: 7-28-06
 Community ID: Wetland
 Plot ID: AR4037-C-551

SOILS

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

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-16	A ₁	2.5Y 2.5/1	2.5YR 3/3	2%	sandy loam
16-18	B ₁	2.5Y 4/2	2.5Y 6/1	25%	coarse loamy sand
			2.5Y 4/6		

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQ</i>	Date: <i>7-28-06</i> County: <i>Columbia</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<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>AR1037-C-552</i>	

VEGETATION

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

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Neris major</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>Tall Blackberry</i>	<i>H</i>	<i>FACU</i>	10.		
3. <i>Claw (T. repens)</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Canada Thistle</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *20%*

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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 observed</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks:

Date: 7-28-06
 Community ID: upland
 Plot ID:
 AR 1037-0-557

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
10-15	A ₂ -	10YR 5/1	none	none	

Hydro Soil Indicators

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

Remarks:

- Soil extremely stony, no redox in A₂ as in
 adj. wet soil

WETLAND DETERMINATION

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

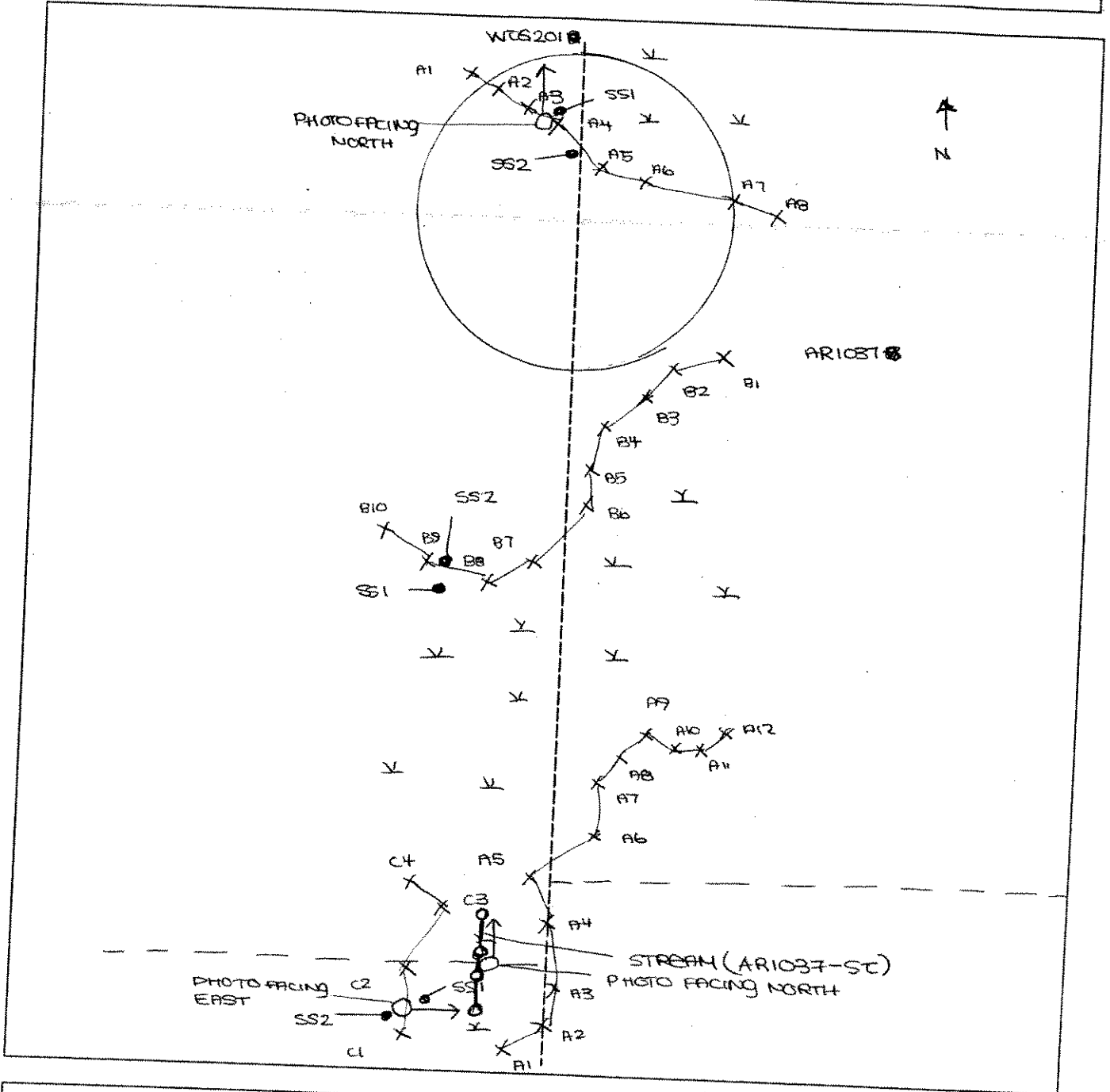
Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: WEG 201-A ARI037-A/B/C	Date: 7/28/06 Time:
Initials of Delineators: EG / SC	Location: MARBLE RIVER
Roll #: Frames:	



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

5

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RAJ, SC</i>	Date: <i>8/1/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>WETLAND</i> Transect ID: <i>FR1042A</i> Plot ID: <i>SS1</i>							

VEGETATION *MARGINAL AREA*

Wooded Emer/SS mix

Plant Community Classification: _____

Percent Canopy Cover: Tree: *35%* Shrub: *40%* Herb: *85%* Vine: *0*

Dominant Plant Species			Dominant Plant Species		
Stratum	Indicator		Stratum	Indicator	
<i>Red Maple</i>	<i>T/S</i>		9.		
<i>Green Ash</i>	<i>S</i>		10.		
<i>American Elm</i>	<i>T</i>		11.		
<i>Sensitive Fern</i>	<i>H</i>		12.		
<i>Interrupted Fern</i>	<i>H</i>		13.		
<i>Carex sp</i>	<i>H</i>		14.		
			15.		
			16.		

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

Remarks: _____

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>n/a</i>	Remarks: <i>Marginal Hydrology</i> <div style="text-align: right;"><i>H2O enters wet for field to north</i></div> <div style="text-align: center;"><i>8-16 very moist but not saturated</i></div>

Date: 8/1/06
 Community ID: WETLANDS
 Plot ID: FR1042A-SS1

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 5/1	-	-	Silt, CLAY
8-16	B	10YR 5/2 (S/D)	10YR 5/6	Few Fine Dist	CLAY
		10YR 4/2 mix			

Hydro Soil Indicators

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

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

Remarks:

Reversal of spade at 16"

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

MARGINAL

WETLAND Dissected E7W by Stone Road

Silt, willow, rattle heads, C. cinerea along NORTH side of Stone Road
 Dissected.

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RTD, SE</u>	Date: <u>8/1/06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input type="radio"/>						
Community ID: <u>Upland</u> Transect ID: <u>AR1042A</u> Plot ID: <u>SS2</u>							

VEGETATION | wooded - young forest Decid

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>70%</u>	Shrub: <u>10%</u>	Herb: <u>80%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T	B/H FAC	9. Club moss	H	
2. Q. prin	T	B/H	10. Hawkweed	H	
3. Sensible fern	H		11.		
4. Bush hony	H		12.		
5. Brambles	H		13.		
6. Blackberry	H		14.		
7. Arrow sp	H		15.		
8. Com. Violet	H		16.		

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

Remarks: Scattered B. Fir

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 8/1/06
 Community ID: upland
 Plot ID: AR1042A-SS2

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth
 (Inches)

Horizon

Matrix Color
 (Munsell Moist)

Mottle Colors
 (Munsell Moist)

Mottles
 Abundance/Size/
 Contrast

Texture, Concretions,
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14"	A	10YR 3/4			10AM

Hydro Soil Indicators

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

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

Remarks: *Reversal of Spade at 14"*

WETLAND DETERMINATION

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

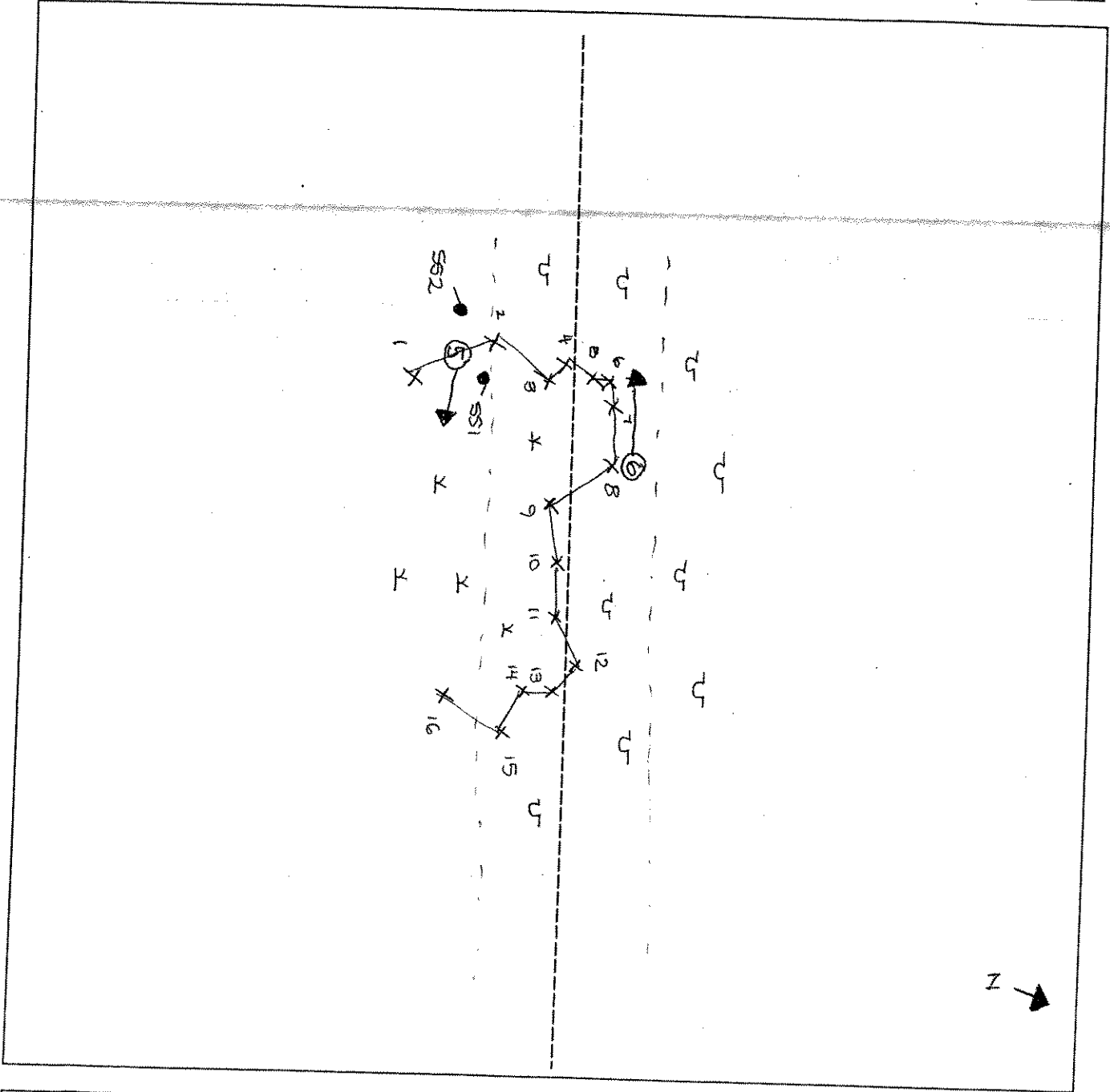
Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: AR 1042A	Date: 8/11/00 Time: AM
Initials of Delineators: RD / SC	Location: MARBLE RIVER
Roll #: Frames: PHOTO ⑤ FACING EAST PHOTO ⑥ FACING WEST	



<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 Wind Farm</u> Applicant/Owner: <u>MARBLE River, LLC</u> Investigator: <u>RTA, SC</u>	Date: <u>8/2/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR1044A</u> Plot ID: <u>551</u>

VEGETATION PFO 4

Plant Community Classification: _____
 Percent Canopy Cover: Tree: 80% Shrub: 15% Herb: 45% Vine: ✓

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPRING MUM</u>	<u>H</u>		9. <u>MARSH REED</u>	<u>S</u>	
2. <u>CORN DOG</u>	<u>H</u>		10.		
3. <u>MILK WEED</u>	<u>H</u>		11.		
4. <u>LOW BELLFLOW</u>	<u>H</u>		12.		
5. <u>SPERM</u>	<u>H</u>		13.		
6. <u>BALSAM FERN</u>	<u>H/S</u>		14.		
7. <u>LOW DOG</u>	<u>S</u>		15.		
8. <u>RED MAPLE</u>	<u>T</u>		16.		

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

HYDROLOGY

<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 <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)</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>8"</u></p>	<p>Remarks: _____</p>

Date: 8/2/06
 Community ID: WETLAND
 Plot ID: AR1044A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/1			LOAN
6-18	B	10YR 5/2	10YR 5/4	MANY/MEDIUM/DISTINCT	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 8/2/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLAND</i> Transect ID: <i>AR1044A</i> Plot ID: <i>552</i>							

VEGETATION *Conifer / Decid Mix Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>90%</i> Shrub: <i>40%</i> Herb: <i>10%</i> Vine: <i>0%</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BALSAM FIR</i>	<i>T/S</i>		9.		
2. <i>RED MAPLE</i>	<i>T/S</i>		10.		
3. <i>SP. PINE</i>	<i>T/S</i>		11.		
4. <i>SP. BEECH</i>	<i>T/S</i>		12.		
5. <i>CANADA MAYBERRY</i>	<i>H</i>		13.		
6. <i>L.D. BLUEBERRY</i>	<i>S</i>		14.		
7. <i>WOOD PINE</i>	<i>H</i>		15.		
8. <i>BURNING BUSH</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 8/2/06
 Community ID: UPLand
 Plot ID:

AR1044A-SS2

SOILS

Map Unit Name
 (Series and Phase):
 Taxonomy (SubGroup):

Drainage Class:
 Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-8	A	10YR 2/2	—		LOAN
8-14	B	10YR 4/3	—		SILTY CLAY

Hydro Soil Indicators

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Reducing Conditions | <input 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 SHOULDER AT 14 INCHES

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA SC</i>	Date: <i>8/2/86</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>WORMS</i> Transect ID: <i>FR10443</i> Plot ID: <i>531</i>							

VEGETATION *PSS*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>79%</i>	Shrub: <i>30%</i>	Herb: <i>10%</i>	Vine: <i>8%</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>		9.		
2. <i>N.W. Cedar</i>	<i>T</i>		10.		
3. <i>Spotted Alder</i>	<i>S</i>		11.		
4. <i>Red Willow</i>	<i>S</i>		12.		
5. <i>Sensitive Sp.</i>	<i>H</i>		13.		
6. <i>Spotted Alder</i>	<i>H</i>		14.		
7. <i>Spotted Alder</i>	<i>H</i>		15.		
8. <i>Spotted Alder</i>	<i>S</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>At some elevation in open R.O. way Dic yan bell nut, C. Curran, Alder, more on 100 yds wide road willows</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>N/A</i>	
Remarks: <i>NOT SATURATED BUT MOIST</i> <i>Slightly transpired soil, 2-3 test for test more deeper matters!</i> <i>Oxidized root chnl.</i> <i>High water</i>	

Date: 8/21/06
 Community ID: WETLAND
 Plot ID: AR1044B-SS1

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/2	—		SILTY CLAY
10-	B	10YR 5/2	—		CLAY
		10YR 4/2			

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>(PDD), SCW</i>	Date: <i>8/2/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>AR10443</i> Transect ID: <i>upland</i> Plot ID: <i>552</i>

VEGETATION *Conifer / Decid mix upland Forest*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>95%</i> Shrub: <i>15%</i> Herb: <i>5-10%</i> Vine:			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>KANSAS PINE</i>	<i>T/S</i>		9.		
2. <i>GRAY BIRCH</i>	<i>T</i>		10.		
3. <i>HAWK WOOD</i>	<i>H</i>		11.		
4. <i>THORNAPPLE</i>	<i>H</i>		12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 8/2/06
 Community ID: CPLANDS
 Plot ID:

AR1044B-SS2

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth
 (Inches)

Horizon

Matrix Color
 (Munsell Moist)

Mottle Colors
 (Munsell Moist)

Mottles
 Abundance/Size/
 Contrast

Texture, Concretions,
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	—	—	5-17 10mm

Hydro Soil Indicators

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

Remarks:

Reposition of spike at 12"

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>T&E, SC</u>	Date: <u>8/2/00</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <u>Wetlands</u> Transect ID: <u>PR-1055</u> Plot ID: <u>AR 10447-553</u>							

VEGETATION Within R.O.W. exist Acc'd (acropan)

Plant Community Classification:					
Percent Canopy Cover: Tree: <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>Urtica dioica</u>	<u>H</u>		9.		
2. <u>Urtica dioica</u>	<u>H</u>		10.		
3. <u>Urtica dioica</u>	<u>H</u>		11.		
4. <u>Urtica dioica</u>	<u>H</u>		12.		
5. <u>Urtica dioica</u>	<u>H</u>		13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks:

HYDROLOGY

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

Date: 8/2/06
 Community ID: WETLAND
 Plot ID: AR1044B553

SOILS

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

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-10	A	10YR 4/1			SILTY CLAY
10-16	B	10YR 5/3	10YR 4/6	COMMON/MEDIUM/FAINT	CLAY

Hydro Soil Indicators

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

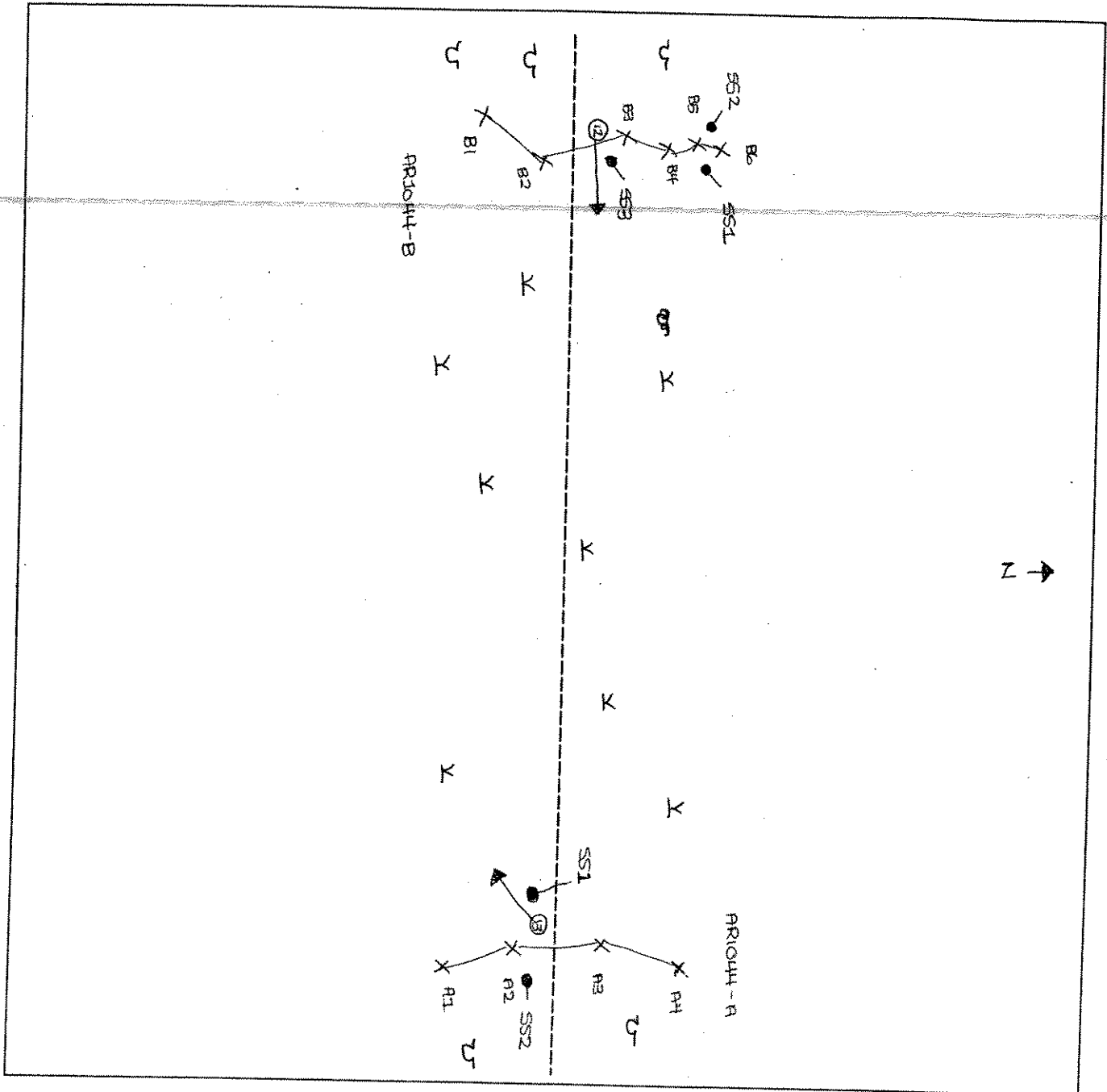
Remarks: REFUSAL OF SHOVEL AT 16 INCHES









WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: AR1044 A/B	Date: 8/2/06	Time: PM
Initials of Delineators: AD / SC	Location: HARBIE RIVER	
Roll #: Frames: PHOTO ② FACING EAST / PHOTO ③ FACING SOUTHWEST		



<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>IB, JV</u>	Date: <u>9/6/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO/PEM</u> Transect ID: Plot ID: <u>AR1150 A/B/C-SS</u>

VEGETATION

Plant Community Classification: <u>PSS/PEM</u>																	
Percent Canopy Cover: Tree: <u>10%</u> Shrub: <u>50%</u> Herb: <u>40%</u> Vine: <u>0%</u>																	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator												
1. <u>A. subrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Sphag. moss</u>	<u>H</u>	<u>OBL *</u>												
2. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10. <u>Athyrium filix-femina</u>	<u>H</u>	<u>FAC</u>												
3. <u>Nemopanthus mucronata</u>	<u>S</u>	<u>OBL</u>	11.														
4. <u>N. lenticago</u>	<u>S</u>	<u>FAC</u>	12.														
5. <u>Cornus alterniflora</u>	<u>S</u>	<u>NI</u>	13.														
6. <u>S. alba</u>	<u>S</u>	<u>FACW</u>	14.														
7. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	15.														
8. <u>Lycopus uniflorus</u>	<u>H</u>	<u>OBL</u>	16.														
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>																	
Remarks: <u>Stem Data</u> <table style="width:100%; font-size: small;"> <tr> <td><u>S. alba - 10 5%</u></td> <td><u>Carex sp. 25%</u></td> </tr> <tr> <td><u>A. sub - 4 35%</u></td> <td><u>SH Nem muc - 7 20%</u></td> </tr> <tr> <td><u>b. pop - 1 3%</u></td> <td><u>N.b. lcnt. - 3 5%</u></td> </tr> <tr> <td><u>C. alt. - 7 5%</u></td> <td><u>H Lady Fern 3%</u></td> </tr> <tr> <td></td> <td><u>Lyc. unif. 3%</u></td> </tr> <tr> <td></td> <td><u>* Sphag Moss 20%</u></td> </tr> </table> NI assumed						<u>S. alba - 10 5%</u>	<u>Carex sp. 25%</u>	<u>A. sub - 4 35%</u>	<u>SH Nem muc - 7 20%</u>	<u>b. pop - 1 3%</u>	<u>N.b. lcnt. - 3 5%</u>	<u>C. alt. - 7 5%</u>	<u>H Lady Fern 3%</u>		<u>Lyc. unif. 3%</u>		<u>* Sphag Moss 20%</u>
<u>S. alba - 10 5%</u>	<u>Carex sp. 25%</u>																
<u>A. sub - 4 35%</u>	<u>SH Nem muc - 7 20%</u>																
<u>b. pop - 1 3%</u>	<u>N.b. lcnt. - 3 5%</u>																
<u>C. alt. - 7 5%</u>	<u>H Lady Fern 3%</u>																
	<u>Lyc. unif. 3%</u>																
	<u>* Sphag Moss 20%</u>																

HYDROLOGY

Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC, TOPO</u> <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>5"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 9/6/06
 Community ID: P63/PEM
 Plot ID: AR 1150A/B - SSI

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class: poor

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-7"	O	10YR 3/6	—	—	Fibric Organics
7-11"	O	10YR 8/1	—	—	Hemic
11-13"	A	2.5Y 6/2	7.5YR 5/6	common / fine / distinct	Sandy Loam

Hydro Soil Indicators

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

Remarks: Refusal @ 13"

WETLAND DETERMINATION

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

Is this Sample Station Point Within a Wetland? Yes No

Remarks DEC wetland

Photo => NW

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JB JV</u>	Date: <u>9/6/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR1150 A/B/C S2</u>

VEGETATION

Plant Community Classification: <u>Deciduous Forest</u>									
Percent Canopy Cover: Tree: <u>55%</u> Shrub: <u>25%</u> Herb: _____ Vine: _____									
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator				
1. <u>A. rubrum</u>	T	FAC	9. <u>Pteridium Aquilinum</u>	H	FACU				
2. <u>B. populifolia</u>	T	FACU	10. <u>Vacc angustifolium</u>	H	FACU-				
3. <u>P. serotina</u>	T	FACU	11. <u>Matteucia struthiopteris</u>	H	FACW				
4. <u>B. pop.</u>	S	FAC	12. <u>Mainthium canadense</u>	H	FAC-				
5. <u>A. rub</u>	S	FAC	13.						
6. <u>P. sero</u>	S	FACU	14.						
7. <u>P. virginiana</u>	S	FACU	15.						
8. <u>Aralia nudicalis</u>	H	FACU	16.						
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/12 = 45%</u>									
Remarks: <table style="width:100%; border: none;"> <tr> <td style="width:30%;"> <u>A. rub</u> 5 40% <u>B. pop.</u> 4 5% <u>P. sero</u> 1 10% </td> <td style="width:30%;"> <u>P. vir</u> 10% <u>B. pop</u> 5% <u>A. rub</u> 3% <u>P. ser</u> 5% </td> <td style="width:30%;"> <u>Sac albida</u> 20% <u>pt. aqu</u> 20% <u>Agu. fl</u> B/ <u>Dist. Fern</u> 3% </td> <td style="width:30%;"> <u>CB Blu</u> 10% <u>Main can</u> 3% </td> </tr> </table>						<u>A. rub</u> 5 40% <u>B. pop.</u> 4 5% <u>P. sero</u> 1 10%	<u>P. vir</u> 10% <u>B. pop</u> 5% <u>A. rub</u> 3% <u>P. ser</u> 5%	<u>Sac albida</u> 20% <u>pt. aqu</u> 20% <u>Agu. fl</u> B/ <u>Dist. Fern</u> 3%	<u>CB Blu</u> 10% <u>Main can</u> 3%
<u>A. rub</u> 5 40% <u>B. pop.</u> 4 5% <u>P. sero</u> 1 10%	<u>P. vir</u> 10% <u>B. pop</u> 5% <u>A. rub</u> 3% <u>P. ser</u> 5%	<u>Sac albida</u> 20% <u>pt. aqu</u> 20% <u>Agu. fl</u> B/ <u>Dist. Fern</u> 3%	<u>CB Blu</u> 10% <u>Main can</u> 3%						

HYDROLOGY

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

Date: 9/7/06
 Community ID: upland
 Plot ID: AR1150 A/B - SSA

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2"	O	-	-	-	Fibric organics
2-11"	A	10YR 3/1			loam
11-15"	B	10YR 3/3			Fine Sandy loam

Hydro Soil Indicators

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

Remarks: 0-2" Slightly decomposed OM w/ many leaves
 10% coarse fragments observed in soil horizons
 Refused @ 15"

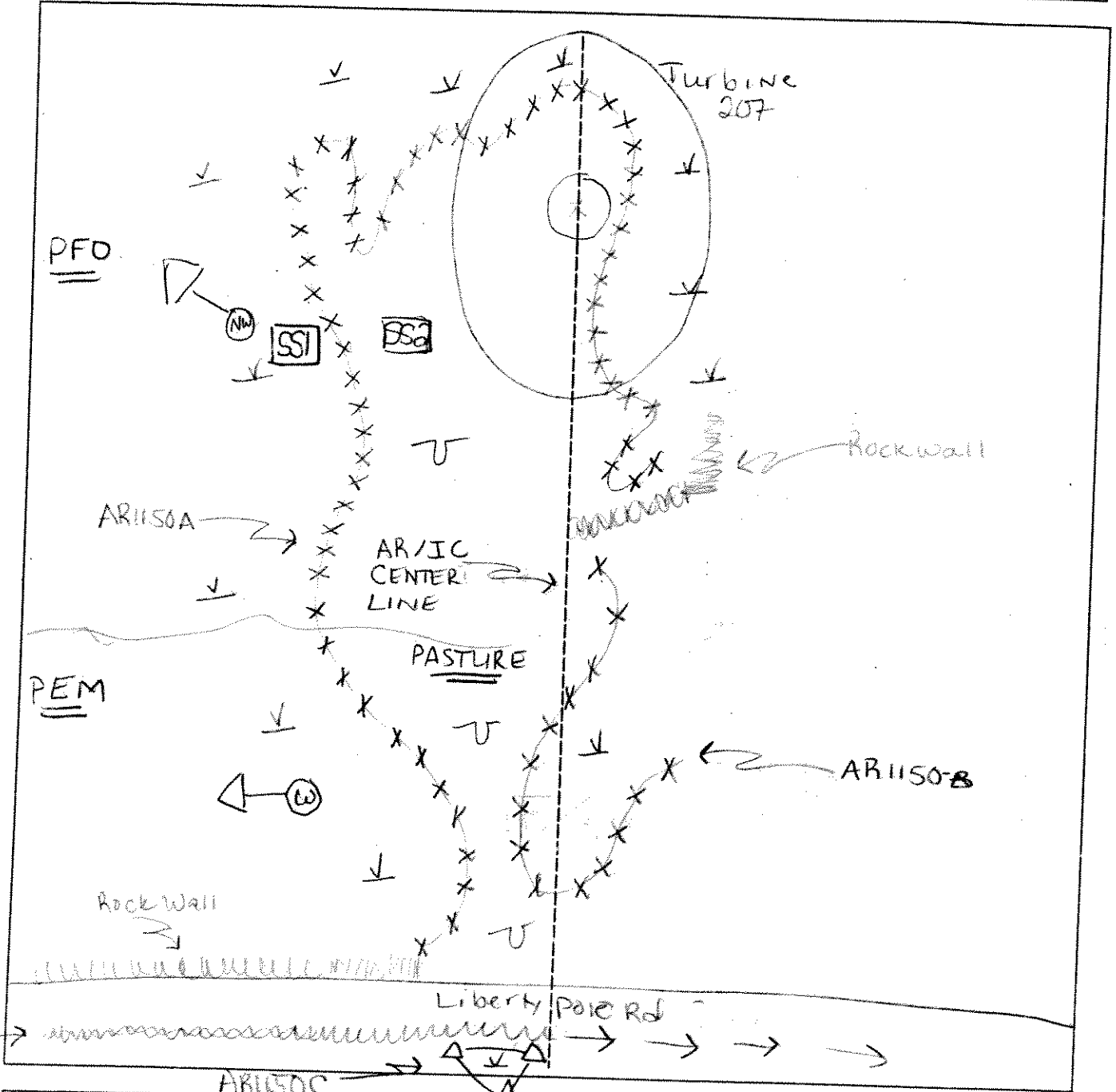
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: ARI150 A/B/C	Date: 9-6-06	Time:
Initials of Delineators: IB, JV	Location: AR/IC and turbine 207	
Roll #: PSS/PEM => W	PFO => NW	



0216
211

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

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

extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input 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 type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: PSS Transect ID: Plot ID: AB1105 A SSI							

VEGETATION

Plant Community Classification: PSS within cow pasture					
Percent Canopy Cover: Tree: <5 Shrub: 90 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Betula populifolia	T	FAC	9.		
2. Acer rubrum	T	FAC	10.		
3. Crack willow	H	FACW	11.		
4. Scirpus sp.	H	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: Can not find species due to season					

HYDROLOGY

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other * No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated in spots <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)
Field Observations: Depth of Surface Water (in.): 5.1" in spots Depth to Free Standing Water in Pit (in.): 2" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 10 May 07
 Community ID: Wetland
 Plot ID: 881
 AR1150-A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 3/1	5Y 6/3	distinct, few, fine	Clay loam
9-16	B	10YR 4/2			clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks: Photo 1 = NE DEC WL

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	Yes	No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
Yes	No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: AR105 A 552							

VEGETATION

EXT

Plant Community Classification: Ag Field					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Alsike Clover	H	PRU	9.		
2. Fall Dandelion	H	UPL	10.		
3. Common Dandelion	H	UPL	11.		
4. Common Plantain	H	UPL	12.		
5. Buttercup	H	FAC	13.		
6. Red Straw	H	UPL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): < 50%					
Remarks:					

HYDROLOGY

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

Date: 5/16/07
 Community ID: UPL
 Plot ID: AR1105 A SSA

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/1			Silty clay loam
10-14	B	7.5YR 2.5/1	10YR 4/6	ephem. from manure	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: few OKs in A, earthworm in A

WETLAND DETERMINATION

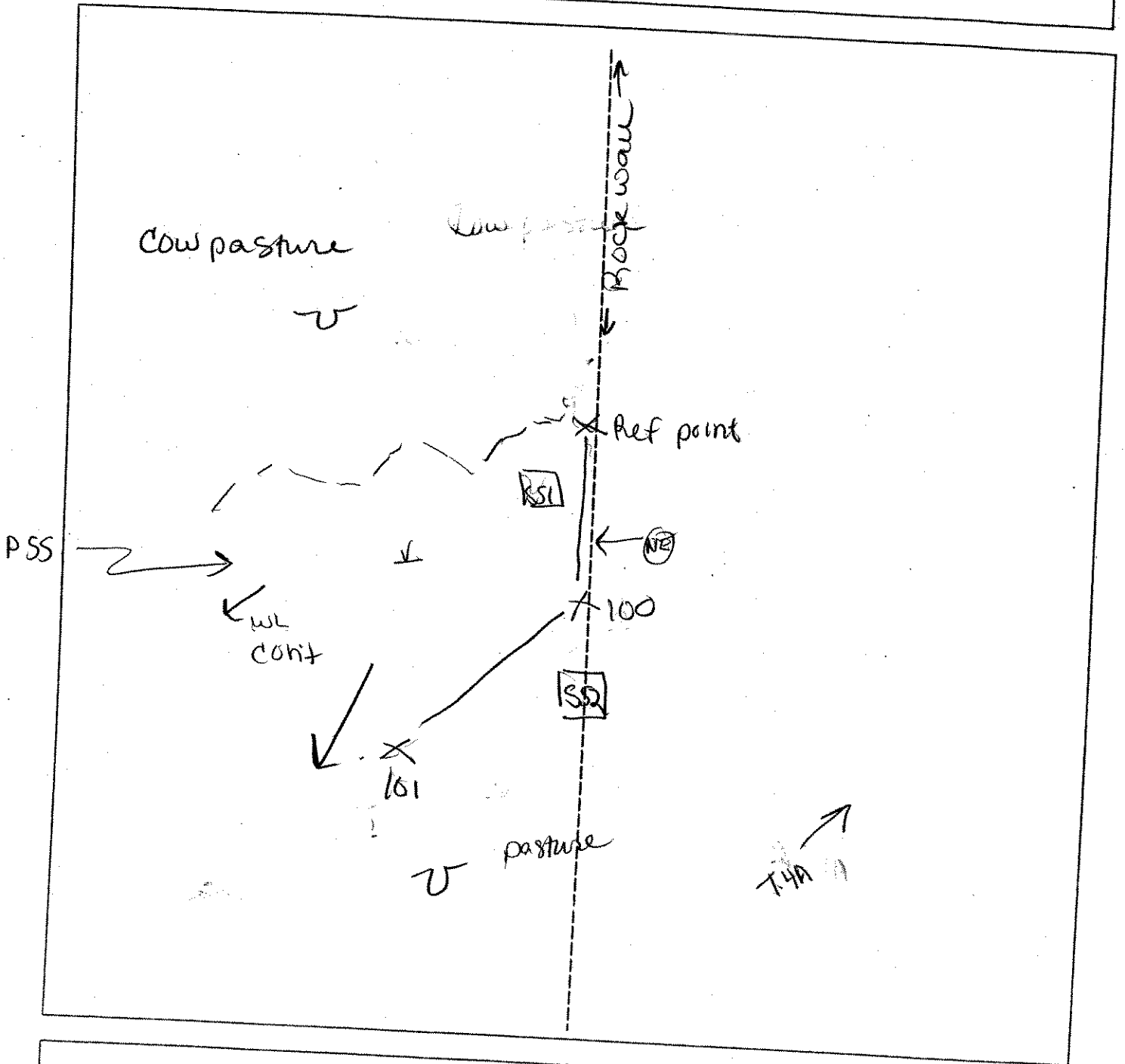
Hydrophytic Vegetation Present? Yes No
 Wetlands Hydrology Present? Yes No
 Hydric Soils Present? Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: AR1105 A EXT		Date: 5/10/07	Time:
Initials of Delineators: JV AP		Location: T. 4A	
Roll #:	Frames: 1 = NE		



Legend

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

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

AR1105B extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY										
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	No	<input type="radio"/>	<input type="radio"/>
Yes	No										
<input checked="" type="radio"/>	<input type="radio"/>										
Yes	<input checked="" type="radio"/>										
Yes	No										
<input type="radio"/>	<input type="radio"/>										
Community ID: PSS Transect ID: Plot ID: AR1105B SSI AR1305A AR1108A											

VEGETATION

Plant Community Classification: PSS
Percent Canopy Cover: Tree: 45 Shrub: 05 Herb: 40 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Alnus incana	S	FACW	10.		
3. Sarcocolla	H	FAC	11.		
4. Galium aparine	H	FAC	12.		
5. Mentha canadensis	H	FAC	13.		
6. Viola sp.	F	-	14.		
7. Aphanogon moss 50%	H	OBL	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 0-5" Depth to Free Standing Water in Pit (in.): NA-0" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/9/07
 Community ID: AR1105B SSI
 Plot ID: (AR)305A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5 YR 2.5/3			
4-6	A	10 YR 2/1	10 YR 3/2	distinct, md, few	silty clay
6-10	B	10 YR 5/3	10 YR 4/3	faint, few, md.	sandy clay

Hydro Soil Indicators

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

Remarks: refusal @ ≤ 10", water saturated @ 6"

WETLAND DETERMINATION

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

Is this Sample Station Point Within a Wetland? Yes No

Remarks photo 6 = w
 DEC WL

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: <u>AR1105B</u> Plot ID: <u>AR1305B</u> <u>SSA</u> <u>AR1108 A</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula papyrifera</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Ulmus americana</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Kalmia latifolia</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>> 50 %</u>					
Remarks: <u>Pinus serotina < 50 %</u>					

HYDROLOGY

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

Date: 5/9/07
 Community ID: AR105B 552
 Plot ID: AR130SA

SOILS

Map Unit Name (Series and Phase):
 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	5YR 2.5/2			
2-12	A	10YR 2/1	7.5YR 4/1	few, distinct, fine	silty clay

Hydro Soil Indicators

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

Remarks: ORCs on A,

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: Jennifer West	Date: 8/30/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input 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>PL1114/PSS1</i> Transect ID: Plot ID: <i>AR-1107</i> <i>AR-1105A SSI</i>

VEGETATION

Plant Community Classification: _____
 Percent Canopy Cover: Tree: *40%* Shrub: *30%* Herb: *50%* Vine: _____

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9. <i>V. cassinoides</i>	H	FAC W
2. <i>Flex verticillata</i>	Sh	FAC W	10.		
3. <i>Viburnum cassinoides</i>	Sh	FAC W	11.		
4. <i>Acer rubrum</i>	T	FAC	12.		
5. <i>Populus tremuloides</i>	T	FAC U*	13.		
6. <i>Aronia melanocarpa</i>	H	FAC	14.		
7. <i>Cornus canadensis</i>	H	FAC U	15.		
8. <i>Vaccinium angustifolium</i>	H	FAC U	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *7/9 = 77%*

Remarks: *Extremely stony soils. Upland species on mounds.*

** - shallow rooted*

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 <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: <i>Due to stoniness did not observe soils at depth.</i> Depth of Surface Water (in.): _____ Depth to Free Standing Water in Pit (in.): _____ Depth to Saturated Soil (in.): _____	
Remarks: <i>Extremely stony soils. Unable to determine seasonal water table. Assumed poorly drained conditions based on predominance of hydrophytes.</i>	

Date: 8-30-06
 Community ID: 1107
 Plot ID: AR-1106A-SS1
 AR-1105A -SS1

SOILS

Drainage Class: *poorly*

Map Unit Name
 (Series and Phase):

Field Observations
 Confirm Mapped Type? Yes No

Taxonomy (SubGroup):

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4"	Oe	7.5YR 3/3	10YR 2/1		hemc
Refused at 4"					

Hydro Soil Indicators

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

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

Remarks: Soils are extremely stony. Where soils have accumulated the material ranges from sapric to hemc. Poorly drained conditions occur in level areas where surface water from adjacent uplands collect.

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: Due to extreme stoniness of soils the boundary determination was based on vegetation and the predominance of hydrophytes.

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: Jennifer West	Date: 8.30.06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
Community ID: Deciduous forest Transect ID: Plot ID: AR-1107-SS2 AR-1106A-SS2 AR-1105A-SS2	

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: 60 Shrub: 20 Herb: 75 Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Cornus canadensis</i>	H	FAC U
2. <i>Prunus serotina</i>	T	FAC U	10.		
3. <i>Populus tremuloides</i>	T	FAC U	11.		
4. <i>Populus grandifolia</i>	T	FAC U	12.		
5. <i>Vaccinium canadense</i>	Sh	FAC W	13.		
6. <i>Acer rubrum</i>	Sh	FAC	14.		
7. <i>Aronia melanocarpa</i>	Sh	FAC	15.		
8. <i>Vaccinium angustifolium</i>	H	FAC U	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $4/9 = 44\%$					
Remarks: Hydrophytic vegetation common within uplands. It appears that as a result of the stone soils and high organic content of what little soil is present, water remains for a sufficient time to support hydrophytes.					

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 NMD ___ 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: none observed Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: Unable to observe soils at depth due to extreme stoniness.	

Date: 8.30.06

Community ID: D₂ Lions Street

Plot ID: AR 110¹¹⁰ 552

AR 1105A. 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.
0-3"	De				Hemic
replaced at 3"					

Hydro Soil Indicators

- None*
- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Concretions |
| <input checked="" type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: Extremely stony soils. Organic matter has accumulated but little to no mineral soil is present. Non-hydric based on < 50% hydrophytes. Assume organic soils are folist.

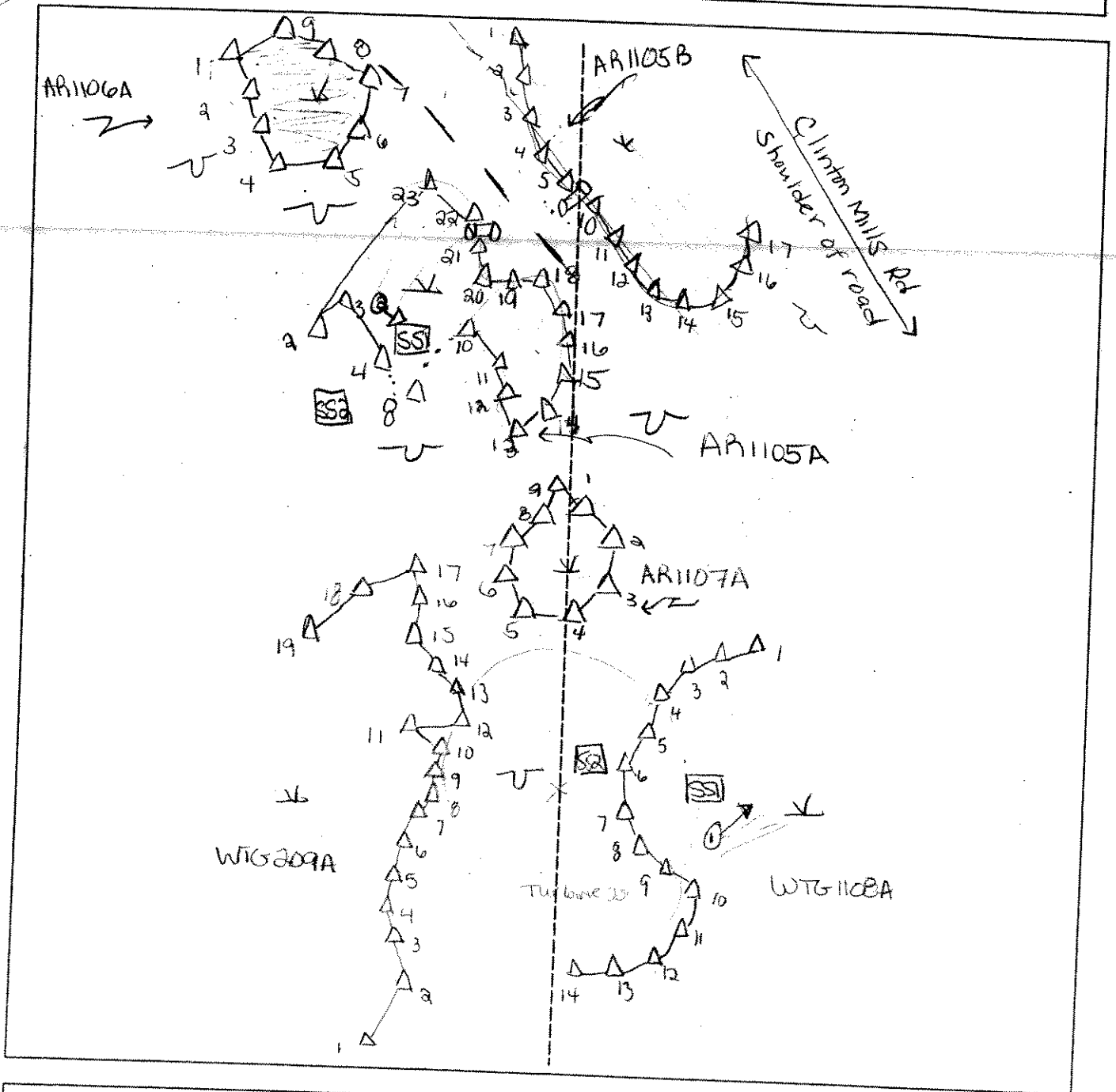
WETLAND DETERMINATION

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

Remarks Wetland boundary determined based on > 50% hydrophytes.

SKETCH FORM

Wetland ID/Route #: WTG 209, AR1105A, AR1106A, AR1107A		Date: 8-31-06	Time:
Initials of Deineators: JW, JV and WTG 1108A		Location: AB + Turbine 209	
Roll #: 1 = E	Frames: 2 = S		



Legend

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

↖ N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JENNIFER WEST</i>	Date: <i>8.30.06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input 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 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>	<input type="radio"/> Yes	<input 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 type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>PSS1</i> Transect ID: Plot ID: <i>WTG 209A - SSI</i> <i>WTG 1108A - SSI</i>							

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: *60* Shrub: *50* Herb: *80* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Betula populifolia</i>	<i>T</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Viburnum cassinoides</i>	<i>Sh</i>	<i>FACW</i>	<i>11.</i>		
<i>4. Menyanthes minorata</i>	<i>Sh</i>	<i>Obl</i>	<i>12.</i>		
<i>5. Abies balsamea</i>	<i>Sh</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Pteridium aquilinum</i>	<i>H</i>	<i>FACU</i>	<i>14.</i>		
<i>7. Aromia melanos carpia</i>	<i>H</i>	<i>FAC</i>	<i>15.</i>		
<i>8. Vaccinium oxycoccos</i>	<i>H</i>	<i>FACW</i>	<i>16.</i>		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *7/8 = 87*

Remarks:

HYDROLOGY

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

Date: 2.30.06
 Community ID:
 Plot ID: WTG 209 A - SSI
 WTG 1108 A - SSI

SOILS

Map Unit Name (Series and Phase): _____

Taxonomy (SubGroup): _____

Drainage Class: *poorly drained*

Field Observations Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3"	Oe	7.5YR 3/3			<i>Hemic</i>
3- <i>refusal</i>					

Hydro Soil Indicators

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

Remarks: *Extremely stony soils. Hydric soils assumed based on nearly level topography and hydrophytic vegetation.*

WETLAND DETERMINATION

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

Remarks: *Determination based on predominance of hydrophytes and wetland drainage patterns*

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JENNIFER WEST</i>	Date: <i>8/30/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Deeds on project</i> Transect ID: Plot ID: <i>WTG-209A-SS2</i> <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>Phlox pilularis</i>	14	FACU
2. <i>Betula populifolia</i>	T	FAC	10. <i>Vaccinium angustifolium</i>	4	FACU
3. <i>Populus grandidentata</i>	T	FACU	11.		
4. <i>Abies balsamea</i>	T	FAC	12.		
5. <i>Prunus serotina</i>	SH	FACU	13.		
6. <i>Viburnum cassinoides</i>	SH	FACW	14.		
7. <i>Abies balsamea</i>	SH	FAC	15.		
8. <i>Cornus canadensis</i>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>5/10 = 50%</i>					
Remarks: <i>mixed community of hydrophytes and upland species on extremely strong soils.</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <i>none observed</i> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	Remarks: <i>Assumed seasonal water table at ± 12 inches based on lack of dominance by hydrophytes</i>

181108

Date: 7/30/06
 Community ID: Deciduous forest
 Plot ID: WTG 209A - SS2
 WTG 1109A - SS2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2"	Do	10YR 2/1			HEMIC
2"	refusal				

Hydro Soil Indicators *none based*

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

Remarks: *Extremely stony soils. Assumed non-hydric based on vegetation.*

WETLAND DETERMINATION

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

Remarks: *Problem area as soils are extremely stony and unable to observe soils for hydric morphology and seasonal water table indicators. Determination based on vegetation*

SKETCH FORM

Wetland ID/Route #: WIG 309, AR1105A, AR1106A, AR1107A		Date: 8-31-06	Time:
Initials of Delineators: JN, JV		Location: AR + TUNING 309	
Roll #: 1-E	Frames: 2-S		

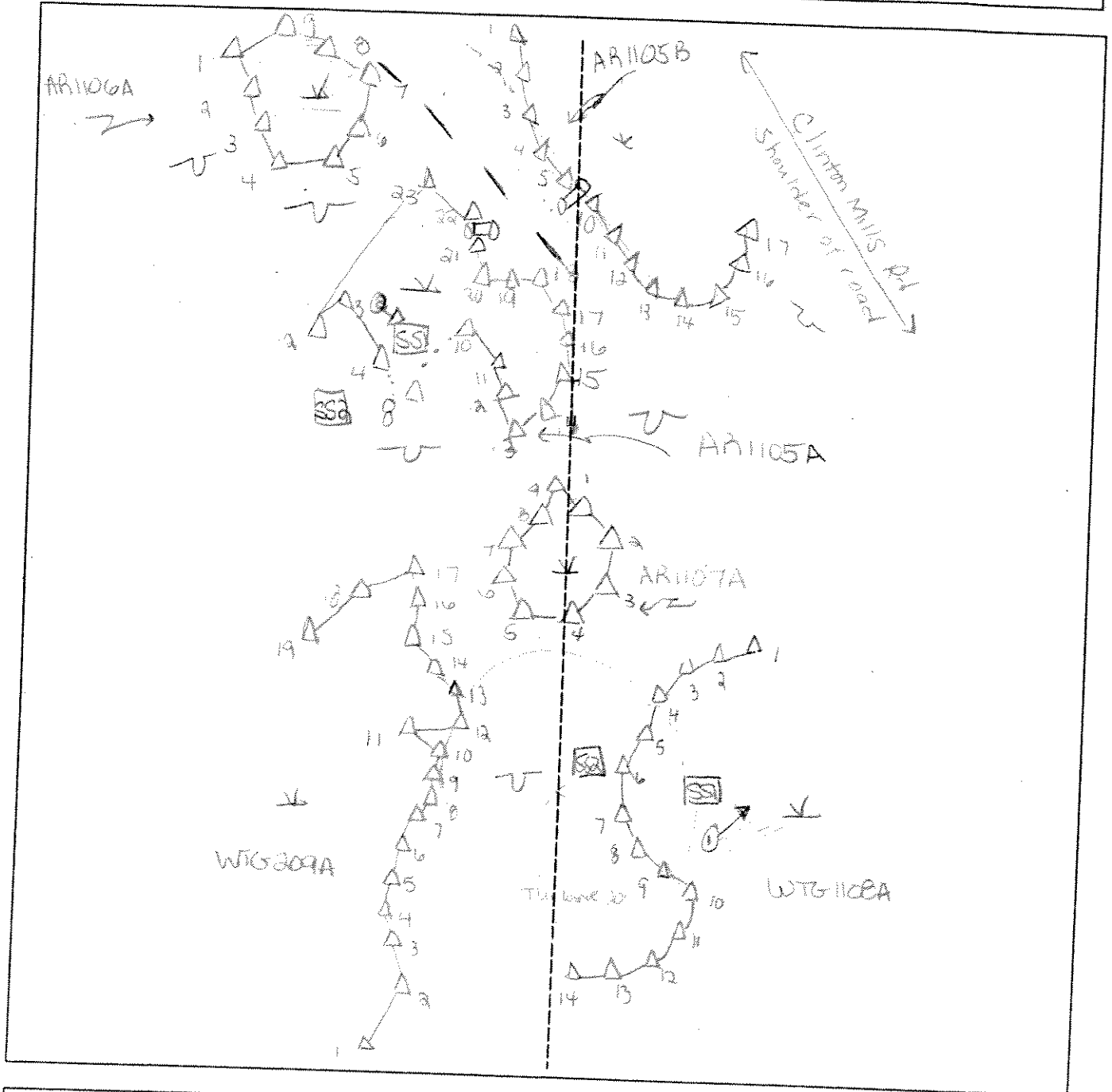


	Photo Location/Direction	Legend		Wetland
	Sample Station			Upland
	Centerline			Stream
	Flag			Intermittent Stream

↖ N

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

AR1108A EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Yes	No	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Yes	No								
<input checked="" type="radio"/>	<input checked="" type="radio"/>								
Community ID: <u>PSS</u> Transect ID: Plot ID: <u>AR1105B SSI</u> <u>AR1305A</u>									

VEGETATION

Plant Community Classification: PSS
Percent Canopy Cover: Tree: 45 Shrub: 05 Herb: 40 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Alnus rugosa</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Saururus cernuus</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Rubus argenteus</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Thalictrum canadense</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Viola sp.</u>	<u>F</u>	<u>-</u>	14.		
7. <u>Sphagnum moss</u> (50%)	<u>H</u>	<u>OBL</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%

Remarks:

HYDROLOGY

<p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other <input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)</p>
<p>Field Observations: Depth of Surface Water (in.): <u>0 - 5"</u> Depth to Free Standing Water in Pit (in.): <u>NA - 0"</u> Depth to Saturated Soil (in.): <u>0"</u></p>	
Remarks:	

Date: 5/9/07
 Community ID: AR1105B 587
 Plot ID: AR1305A

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR 2.5/3			
4-6	A	10YR 2/1	10YR 5/2	distinct, md, few	silty clay
6-10	B	10YR 5/3	10YR 4/3	faint, few, md.	sandy clay

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

Remarks: refusal @ ≤ 10", water saturated @ 6"

WETLAND DETERMINATION

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

Remarks photo 60 = wet
 DEC WL

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

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: <i>JV AP</i>	Date: <i>5/19/07</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>UPL</i> Transect ID: <i>AR1105B</i> Plot ID: <i>AR1305B</i> <i>SSA</i> <div style="text-align: right;"><i>AR1108A</i> EXT</div>							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Acer rubrum</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Betula populifolia</i>	<i>T</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Ostrya virginiana</i>	<i>T</i>	<i>FAC</i>	<i>11.</i>		
<i>4. V. nummularia</i>	<i>S</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Kalmia latifolia</i>	<i>H</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Aquaticum canadense</i>	<i>H</i>	<i>FAC</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>> 50%</i>					
Remarks: <i>Prunus serotina < 20%</i>					

HYDROLOGY

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

Date: 5/9/07
 Community ID: AR105B 552
 Plot ID: AR1305A

SOILS

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

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-2	O	5YR 2.5/2			
2-12	A	10YR 2/1	7.5YR 4/1 L	few, distinct, fine	silty clay

Hydro Soil Indicators

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

Remarks: ORCs on A,

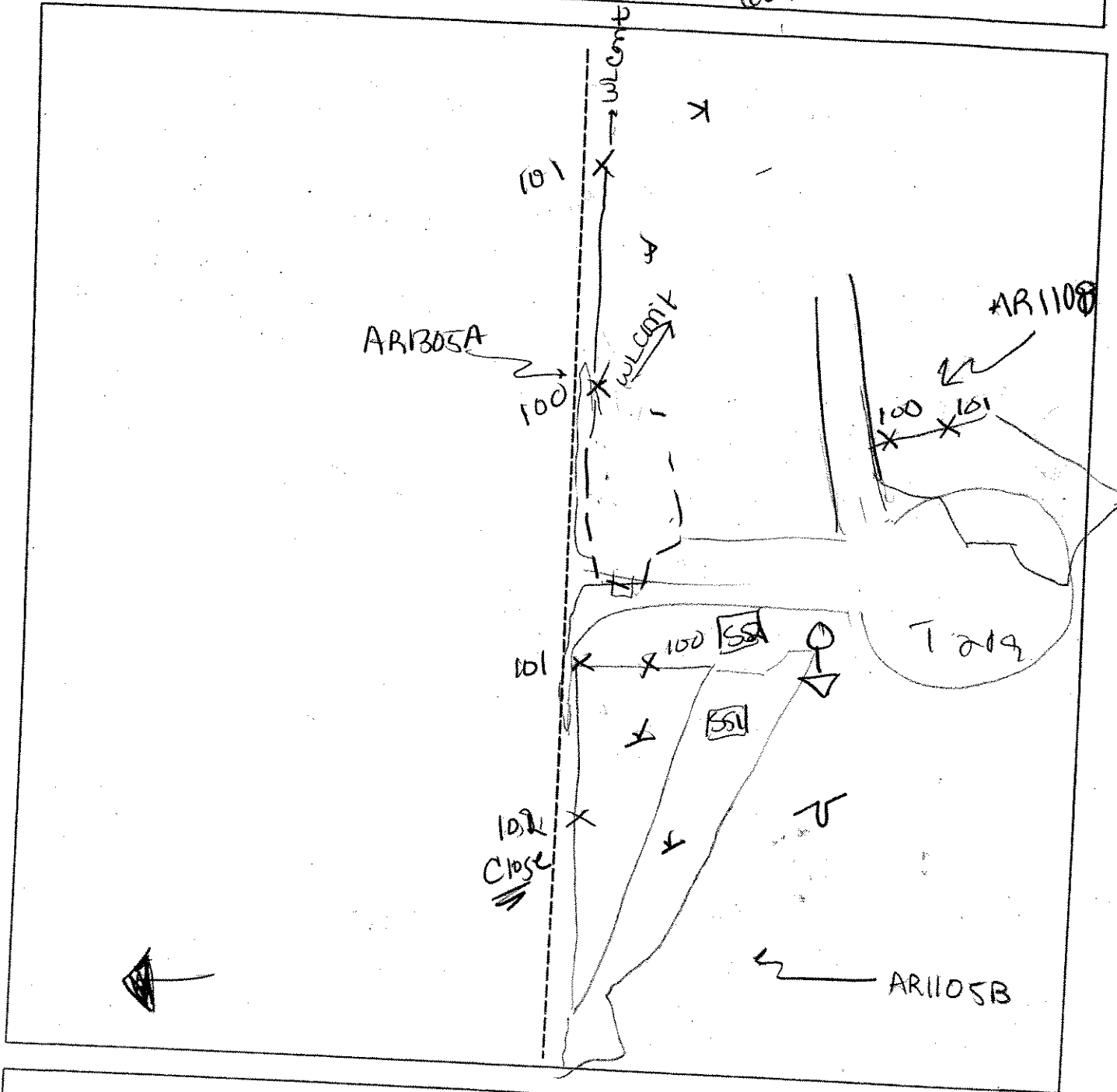
WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input 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 #: AR1108 A EXTENSION		Date: 5/9/07	Time:
Initials of Delineators: JV AP		Location: T 209	
Roll #:	Frames:	102W	



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>FB JV</i>	Date: <i>9/7/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR1151 SSI S52</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Rep plot, Refer to AR80</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Rep plot, refer to AR80</i>	

Date: 9/7/06
 Community ID:
 Plot ID: AR1151 SSI
 SSI

SOILS

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

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

Hydro Soil Indicators

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

Remarks:

Rep plot, Refer to AR80

WETLAND DETERMINATION

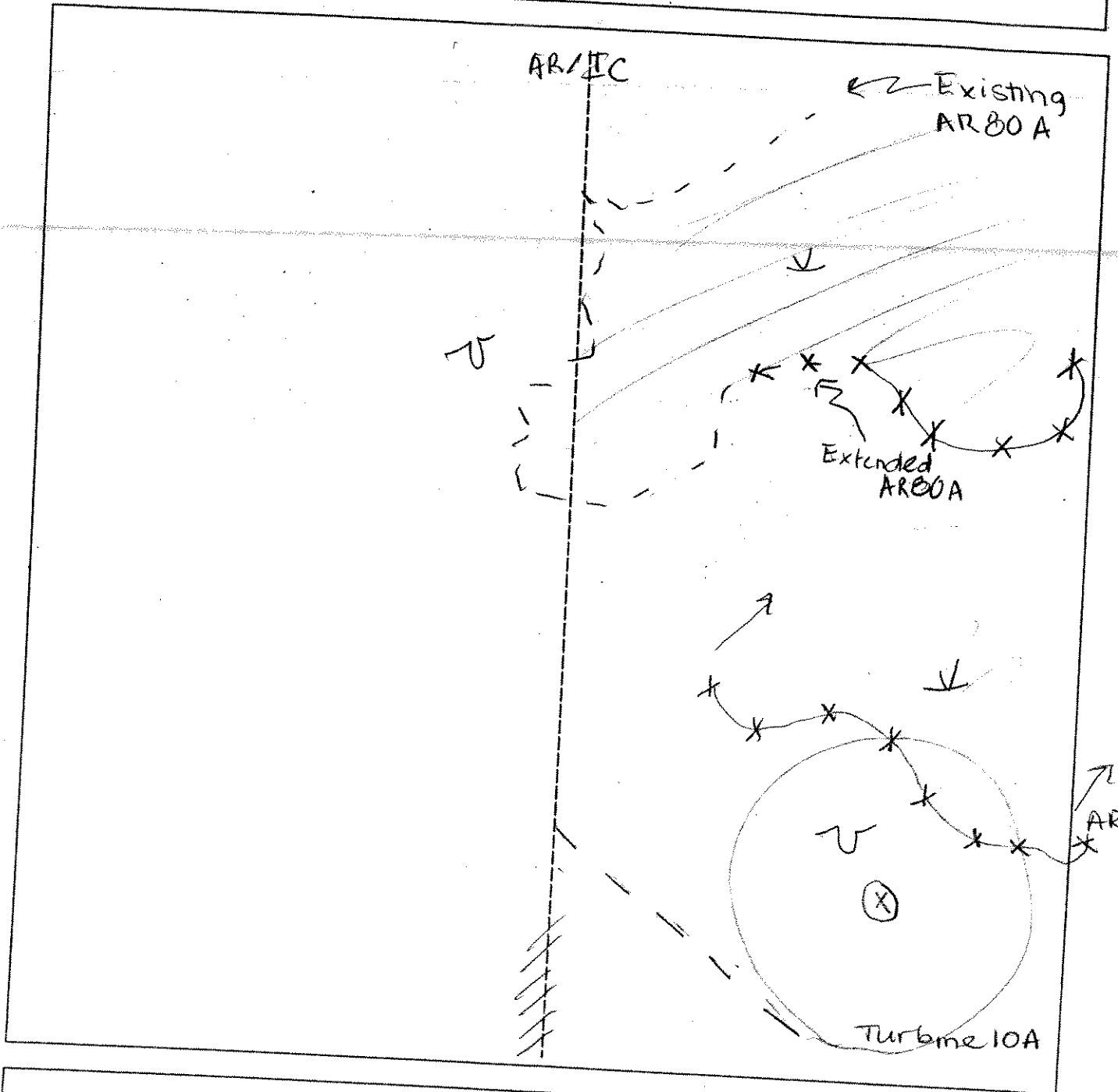
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Rep plot, Refer to AR80

SKETCH FORM

Wetland ID/Route #: AR80A / AR1151A		Date: 9-7-06	Time:
Initials of Delineators: IB, JV		Location: AR to turbine 10A	
Roll #:	Frames:		



Legend

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BR</u>	Date: <u>9/25/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? (If needed, explain on reverse.)	Community ID: <u>P40</u> Transect ID: Plot ID: <u>R2 1275 BB 501</u>

VEGETATION

** Disturbed by logging wet*

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>630</u> ⁵⁰⁰ Shrub: <u>38</u> Herb: <u>38</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aspen</u>	<u>Tree</u>	<u>FACU</u>	9.		
2. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>red maple</u>	<u>Tree</u>	<u>FAC</u>	11.		
4. <u>Nannyberry</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Wht. Aster</u>	<u>Herb</u>	<u>FAC</u>	13.		
6. <u>Brodiaea</u>	<u>Herb</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 9/16 = 60

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>> 14"</u> Depth to Saturated Soil (in.): <u>> 14"</u>	
Remarks:	

Date: 9/25/06
 Community ID: Wct
 Plot ID:
 P21275 BB SS1

SOILS

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

Drainage Class: PD

Taxonomy (SubGroup): N/A

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-8	Ap	10YR 2/1	none	none	fgl
8-14"	Bw1	10YR 2.5/1	none	none	sl

Hydro Soil Indicators

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

Remarks:

rocky

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BP</i>	Date: 9/25/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? * 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>AFO</i> Transect ID: Plot ID: <i>A21275 B10 Series 452</i>							

VEGETATION

** Disturbed by Logging*

Upland

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>63</i> Shrub: <i>380</i> Herb: <i>380</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aspen</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Red maple</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Aspen</i>	<i>Sap.</i>	<i>FACW</i>	11.		
4. <i>Red maple</i>	<i>Sap</i>	<i>FAC</i>	12.		
5. <i>Brodiaea Fern</i>	<i>Herb</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/5 = 40</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: <i>None</i></p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <i>0</i></p> <p>Depth to Free Standing Water in Pit (in.): <i>312"</i></p> <p>Depth to Saturated Soil (in.): <i>312"</i></p>	
<p>Remarks:</p>	

Date: 9/25/06
 Community ID: 280
 Plot ID:

D2 1275 BB 952
 46

SOILS

Map Unit Name
 (Series and Phase): N/K

Drainage Class: WD

Taxonomy (SubGroup): N/K

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	AD	10YR 3/2	None	None	Fe ₂ O ₃
8-12	Bw ₁	9.5YR 4/6	None	None	Fe ₂ O ₃

Hydro Soil Indicators

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

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

Remarks:

Rocky

WETLAND DETERMINATION

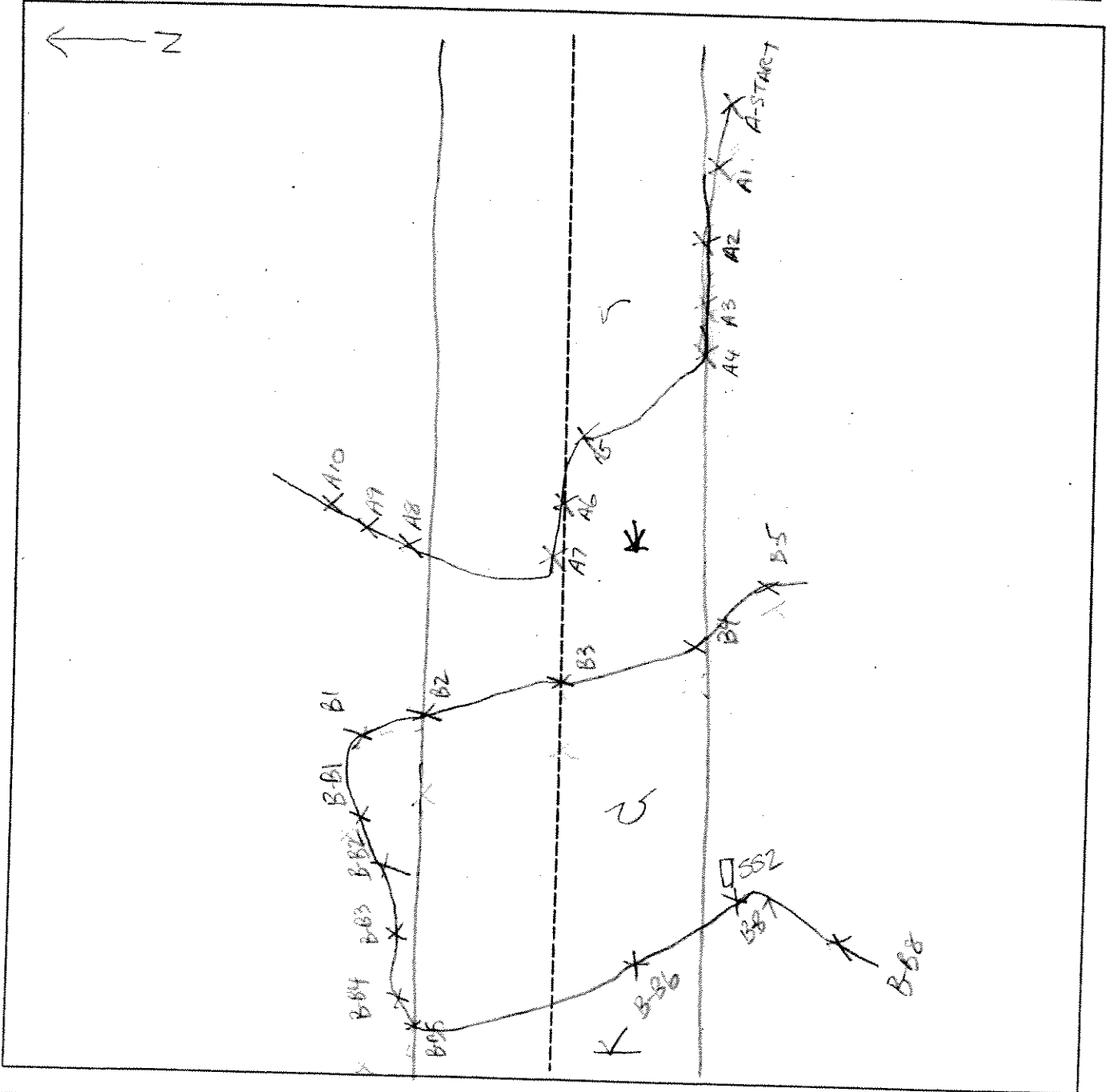
Hydrophytic Vegetation Present? Yes No
 Wetlands Hydrology Present? Yes No
 Hydric Soils Present? Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: AR1275A & B/BB	Date: 9/25/06	Time:
Initials of Delineators: GO & BE	Location:	
Roll #:	Frames:	



Legend	
	Photo Location/Direction
	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>JB JV</i>	Date: <i>10/11/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table 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>AR1305 A/B-SSI</i> <i>SSa</i>							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Herb:	
Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Rep plot see 1C363</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Rep plot see 1C363</i>	

Date: 10/11/06
 Community ID: Wetland
 Plot ID: AR1305 A-551
 552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

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

Hydro Soil Indicators

- 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:

Rep plot see 1C373

WETLAND DETERMINATION

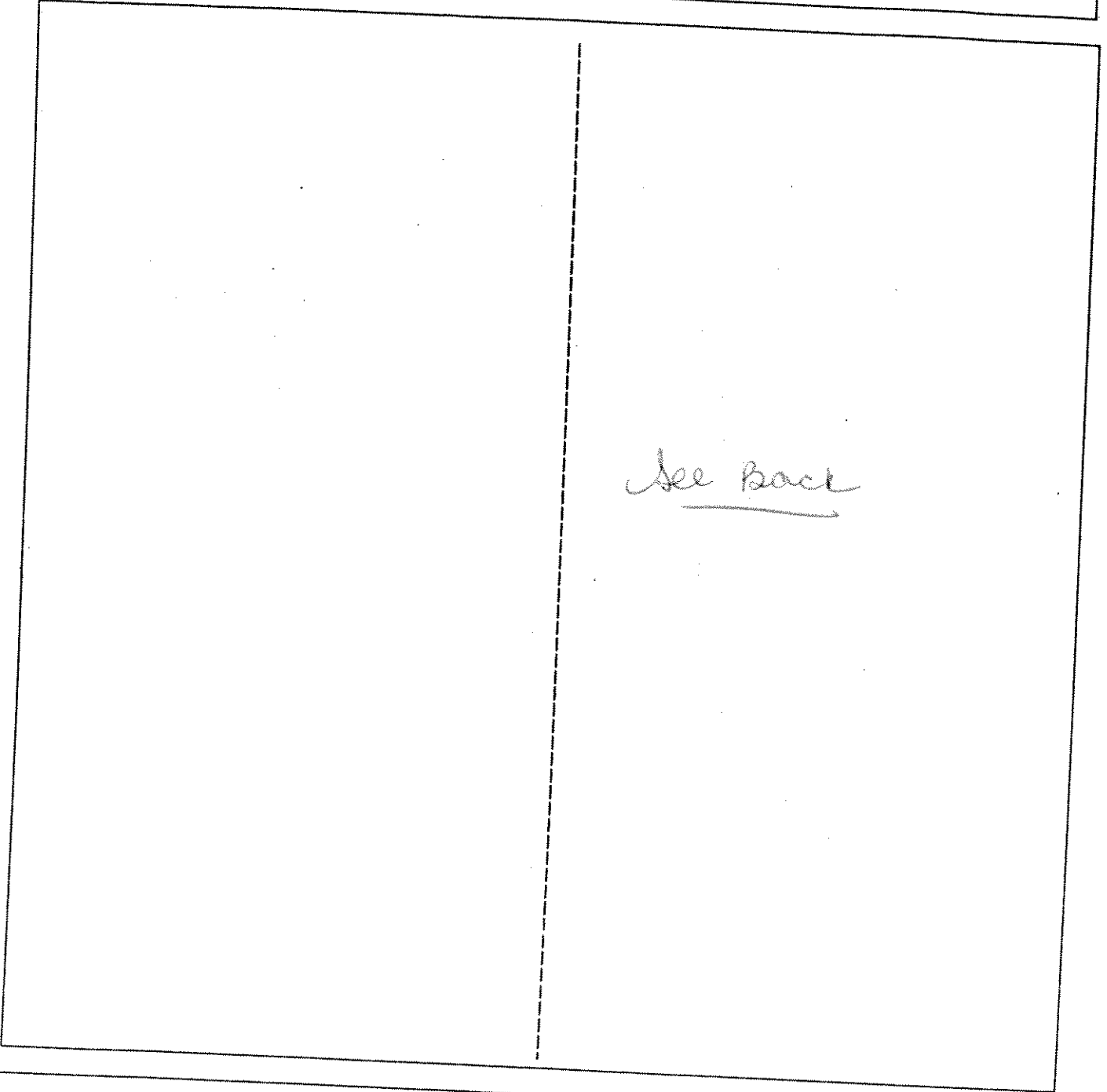
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	









Remarks

Rep plot see 1C373

SKETCH FORM

Wetland ID/Route #: AR1107A + AR1305A/B		Date: 10/11/06	Time:
Initials of Delineators: JB JV		Location: T-209 + T-Around	
Roll #: AR1305 =>	Frames: AS		



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

10/1/00



CLINTON MILLS

KOFOO

AR1305B

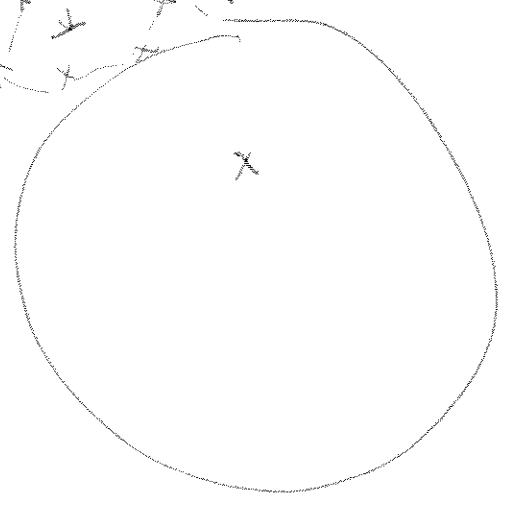
AR1305A

TURN AROUND

AR107A

UT

X



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

AR1305A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/>
Community ID: <u>PSS</u> Transect ID: Plot ID: <u>AR1105B SSI</u> <u>AR1305A</u> <u>AR1108A</u>	

VEGETATION

Plant Community Classification: PSS
 Percent Canopy Cover: Tree: 45 Shrub: 05 Herb: 40 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>Alnus incana</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Saururus cernuus</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>Kalmia latifolia</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Thalictrum flavum</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Viola sp.</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Sphagnum moss 50%</u>	<u>H</u>	<u>OBL</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>0-5"</u> Depth to Free Standing Water in Pit (in.): <u>NA-0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/9/07

Community ID: AR1105B

Plot ID:

AR1305A

SS1

SOILS

Map Unit Name (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5 YR 2.5/3			
4-6	A	10 YR 2/1	10 YR 5/2	distinct, md, few	silty clay
6-10	B	10 YR 5/3	10 YR 4/3	faint, few, md.	sandy clay

Hydro Soil Indicators

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

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

Remarks:

refusal @ <= 10", water saturated @ 6"

WETLAND DETERMINATION

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

Is this Sample Station Point Within a Wetland? Yes No

Remarks photo 6 = w

DEC WL

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? 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>UPL</u> Transect ID: <u>AP1305B</u> Plot ID: <u>AP1305B</u> <u>SSA</u> <u>ART108 A</u>							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Ulmus americana</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Prunus americana</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Kalmia latifolia</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Quercus prinus</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: <u>Prunus serotina <20%</u>					

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>Field Observations: <u>NA</u></p> <p>Depth of Surface Water (in.):</p> <p>Depth to Free Standing Water in Pit (in.):</p> <p>Depth to Saturated Soil (in.):</p>	<p>Wetland Hydrology Indicators: <u>NA</u></p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
Remarks:	

Date: 5/9/07
 Community ID: AR105B 552
 Plot ID: AR1305A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	5YR 2.5/2			
2-12	A	10YR 2/1	7.5YR 4/1	few, distinct, fine	silty clay

Hydro Soil Indicators

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

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

Remarks: ORCs on A,

WETLAND DETERMINATION

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

Is this Sample Station Point Within a Wetland? Yes No

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IB, JV</i>	Date: <i>10/11/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR1307 A</i> <i>SS1</i> <i>SS2</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:					
Tree:		Shrub:		Herb:	
Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					
<i>Rep plot, Ref AR209-A</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <div style="height: 40px; vertical-align: top;"><i>Rep plot, Ref AR209 A</i></div>	

Date: 10/11/06

Community ID:

Plot ID: AR1307 A

SSI
SSA

SOILS

Map Unit Name
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

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

Hydro Soil Indicators

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

Remarks:

Rep plot; Ref AR209-A

WETLAND DETERMINATION

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










Remarks ~~This wetland is not~~ observed water intermittent stream flow from pond to N of AR. Hydric soils observed along with hydrological features.

Rep plot; Ref AR209-A photo = 7N

SKETCH FORM

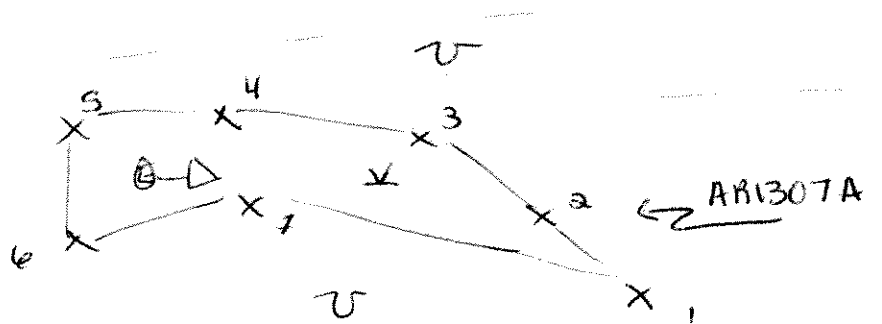
Wetland ID/Route #: AR1307A	Date: 10/11/06	Time: 1900
Initials of Delineators: JB JV	Location: AR E OF T-155	
Roll #:	Frames:	

See Reverse

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

Pond + AR 209-A

Existing AR



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

Project Site: <u>CANTON NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK</u>	Date: <u>10/20/05</u> County: <u>CANTON</u> State: <u>NY</u>								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	No	<input type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	No								
<input type="radio"/>	<input checked="" type="radio"/>								
Community ID: <u>WETLAND</u> Transect ID: <u>AR 209A</u> Plot ID: <u>SS 1A</u>									

VEGETATION EMERGENT WETLAND - PEM

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>2%</u> Shrub: <u>4%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>T. LINCUS EFFUSUS</u>	<u>H</u>	<u>FACW</u>	9. <u>REE CUTGRASS</u>	<u>H</u>	<u>OBL</u>
2. <u>STEEPLE BUSH</u>	<u>H S</u>	<u>FACW</u>	10.		
3. <u>WEE GRASS</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>RAILSNAIL GRASS</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>MARSHMALLOW</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>SPHAGNUM MOSS</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

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

ID:

SOILS

Map Unit Name **AR209A-SS1A** Drainage Class: **PEM**
 (Series and Phase):
 Taxonomy (SubGroup): Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
(Inches)					
0-1	O	10YR 2/1	NONE	—	SANDY SANDY CLAY
1-6	A	10YR 3/2	NONE	—	

Hydro Soil Indicators

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

Remarks: **USER REFUSAL @ 6"**
0" TO WATER

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>CLENTON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/08</u> County: <u>CLENTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR 209A</u> Plot ID: <u>SS2A</u>

VEGETATION

DECIDUOUS FOREST / MED-SUCCESSOR

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>90%</u> Shrub: <u>0</u> Herb: <u>10%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>YELLOW BIRCH</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>RED WATTLE</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>GREY BIRCH</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>BRACKEN FERN</u>	<u>H</u>	<u>TACV</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 75%

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks):
 Stream, Lake, or Tide Gauge
 Aerial Photographs
 Other
 No Recorded Data Available

Field Observations:

Depth of Surface Water (in.): NA

Depth to Free Standing Water in Pit (in.): NA

Depth to Saturated Soil (in.): NA

Wetland Hydrology Indicators:

Primary Indicators:

- Inundated
- Saturated in upper 12 inches
- Water Marks
- Drift lines
- Sediment Deposits
- Drainage Patterns In Wetlands

Secondary Indicators (2 or more required):

- Oxidized Root Channels in Upper 12 inches
- Water-Stained Leaves
- Local Soil Survey Data
- FAC-Neutral Test
- Other (Explain in Remarks)

Remarks:

ID:

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles Abundance/	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Size/Contrast	Structure, etc.
(Inches)					
0-10	A	10YR 3/4	NONE	---	SANDY LOAM
6-14	B	10YR 2/1	10YR 6/2	MANY LARGE ROOTS	SANDY LOAM

Hydro Soil Indicators

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

Remarks: *Auger Refusal @ 124*

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>CLETON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/29/05</u> County: <u>CLINTON</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input type="radio"/> No						
Community ID: <u>WETLAND</u> Transect ID: <u>AK209A</u> Plot ID: <u>551 B</u>							

VEGETATION WETLAND PERMFOI

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>10%</u>	Shrub: <u>5%</u>	Herb: <u>85%</u>	Vine: <u>0</u>
Dominant Plant Species					
	Stratum	Indicator		Stratum	Indicator
1. <u>RATTLESNAKE GRASS</u>	<u>H</u>	<u>OBL</u>	9. <u>JUNCUS EFFUSUS</u>	<u>FACW</u>	<u>FACW</u>
2. <u>WILD GRASS</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>MEADOW SWEET</u>	<u>S</u>	<u>OBL</u>	11.		
4. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>YELLOW BIRCH</u>	<u>T</u>	<u>FAC</u>	14.		
7. <u>GRAY BIRCH</u>	<u>T</u>	<u>FAC</u>	15.		
8. <u>SPERMATOPHYTES</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

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

ID:

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	None	—	Sandy
2-6	A	10YR 6/1	None	—	SANDY CLAY
6-12	B	5Y 1 6/5 6/4	10YR 5/6	Many/Large/Disse	CLAY LOAM

Hydro Soil Indicators

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

Remarks: AUGER REFUSAL @ 12"
0" TO WATER

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>CLINTON, NY</u> Applicant/Owner: <u>HORIZON</u> Investigator: <u>AK, JF</u>	Date: <u>10/20/08</u> County: <u>CLINTON</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <u>UPLAND</u> Transect ID: <u>AR209A</u> Plot ID: <u>852B</u>							

VEGETATION DECIDUOUS FOREST / MID-SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>60%</u>	Shrub: <u>5%</u>	Herb: <u>10%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	9. <u>BUNCH BERRY</u>	<u>H</u>	<u>FAC-</u>
2. <u>STRIPED MAPLE</u>	<u>S</u>	<u>FACV</u>	10.		
3. <u>POPULUS grandidentata</u>	<u>T</u>	<u>FACU-</u>	11.		
4. <u>POUGH SUEM GOLDENROD</u>	<u>H</u>	<u>F</u>	12.		
5. <u>SPERMATOPHYTES</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>WHOLEST ASTOR</u>	<u>H</u>	<u>UPL</u>	14.		
7. <u>BLACKEN FERN</u>	<u>H</u>	<u>FACV</u>	15.		
8. <u>RASPBERRY</u>	<u>H</u>	<u>FAC-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>22%</u>					

Remarks:
* NOT LABELED

HYDROLOGY

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

ID:

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 8/4	None	---	SANDY LOAM

Hydro Soil Indicators

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

Remarks: AUGER RETURN @ 6"

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IB</u>	Date: <u>10/13/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>AR1312</u> Transect ID: <u>A</u> Plot ID: <u>SS1</u> <u>SS2</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Rep plot, Refer to data AR938</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <u>Refer to AR938</u>	

Date: 10/13/06
 Community ID:
 Plot ID: AR1312A

SSI
 S52

SOILS

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

Profile Description:

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

Hydro Soil Indicators

- | | |
|---|--|
| <input type="checkbox"/> Histosol
<input type="checkbox"/> 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:

Refer to AR939

WETLAND DETERMINATION

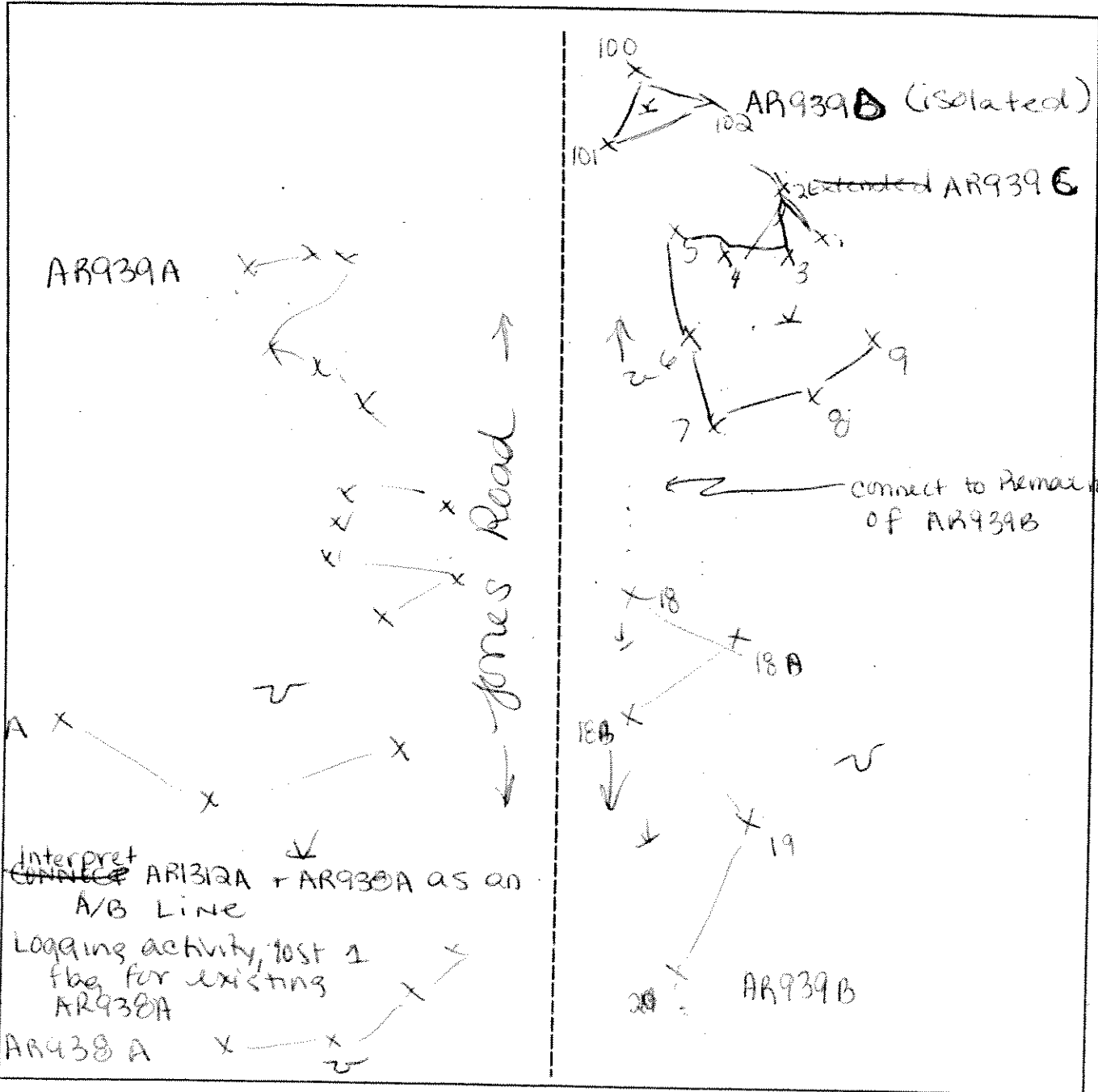
Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Remarks

Refer to AR939

SKETCH FORM

Wetland ID/Route #: AR939A, AR1312A + AR939B (C/D)		Date: 10/13/06	Time: 1600
Initials of Delineators: IB JV		Location: AR to +.13	
Roll #:	Frames:		



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

Shared Plot w/
AR 939 A/B
Wetland
801 A

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes <input checked="" type="radio"/></td> <td>No <input type="radio"/></td> </tr> <tr> <td>Yes <input type="radio"/></td> <td>No <input checked="" type="radio"/></td> </tr> <tr> <td>Yes <input type="radio"/></td> <td>No <input 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: PFO/PEM/PSE Transect ID: Plot ID: AR 939 A - Series 801							

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 63.0 Shrub: 20.5 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	1	Tree FAC	9.		
2. Gray Birch	2	Tree FAC	10.		
3. Black Spruce	3	Tree FACW	11.		
4. B/W Spruce	4	Shrub FACW	12.		
→ 5. Winterberry	5	Shrub FACW	13.		
6. Red Raspberry		Herb FAC	14.		
→ 7. Common Fern	6	Herb FAC	15.		
8. Carex Cornuta	7	Herb OBL	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $7/8 = 87.5\%$

Remarks:

HYDROLOGY

<p>Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p>___ Saturated</p> <p><input checked="" type="checkbox"/> Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p><input checked="" type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): 0</p> <p>Depth to Free Standing Water in Pit (in.): > 14"</p> <p>Depth to Saturated Soil (in.): > 14"</p>	
Remarks:	

Date: 7/18/06
 Community ID: P50/P480/P62
 Plot ID: P2939 Arden Wetland

SOILS

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

Drainage Class: UPD

Taxonomy (SubGroup): N/A

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-10	Dp	10YR 3/1	None	None	FSL
10-14	Bw ₁	10YR 5/2	10YR 6/1	Few/med/Dom.	SL

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

Wetland roadside boundary well defined by slope.

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

AR 939 A/B
 Upland / Road bed
 Shared Data pt.
 85-2

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: BR	Date: 7/18/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: Road Bed Transect ID: Plot ID: 85-2-Upland							

VEGETATION

AR 939

Plant Community Classification: Unvegetated Road bed
 Percent Canopy Cover: Tree: Shrub: Herb: Vine:

Dominant Plant Species		Stratum	Indicator	Dominant Plant Species		Stratum	Indicator
1. /				9.			
2. /				10.			
3. /				11.			
4. /				12.			
5. /				13.			
6. /				14.			
7. /				15.			
8. /				16.			

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

Remarks: Unvegetated road bed w/ red maple, spruce, fir, apple
 over story

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 0 Depth to Free Standing Water in Pit (in.): >12" Depth to Saturated Soil (in.): >12"	
Remarks:	

Shared Data Plot w/1
 DR 939 ALB
 wetland
 8013

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BR</u>	Date: <u>7/18/06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>PFO/PSS/PCW</u> Transect ID: Plot ID: <u>DR 939-801</u>							

VEGETATION

D.F. - B10 B. Green

Plant Community Classification:
 Percent Canopy Cover: Tree: 63.0 Shrub: 0 Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Ash</u>	<u>Tree</u>	<u>FACW</u>	10.		
3. <u>Grey birch</u>	<u>Tree</u>	<u>FAC</u>	11.		
4. <u>Sensitive fern</u>	<u>Tree</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-): 3/4 - 75%

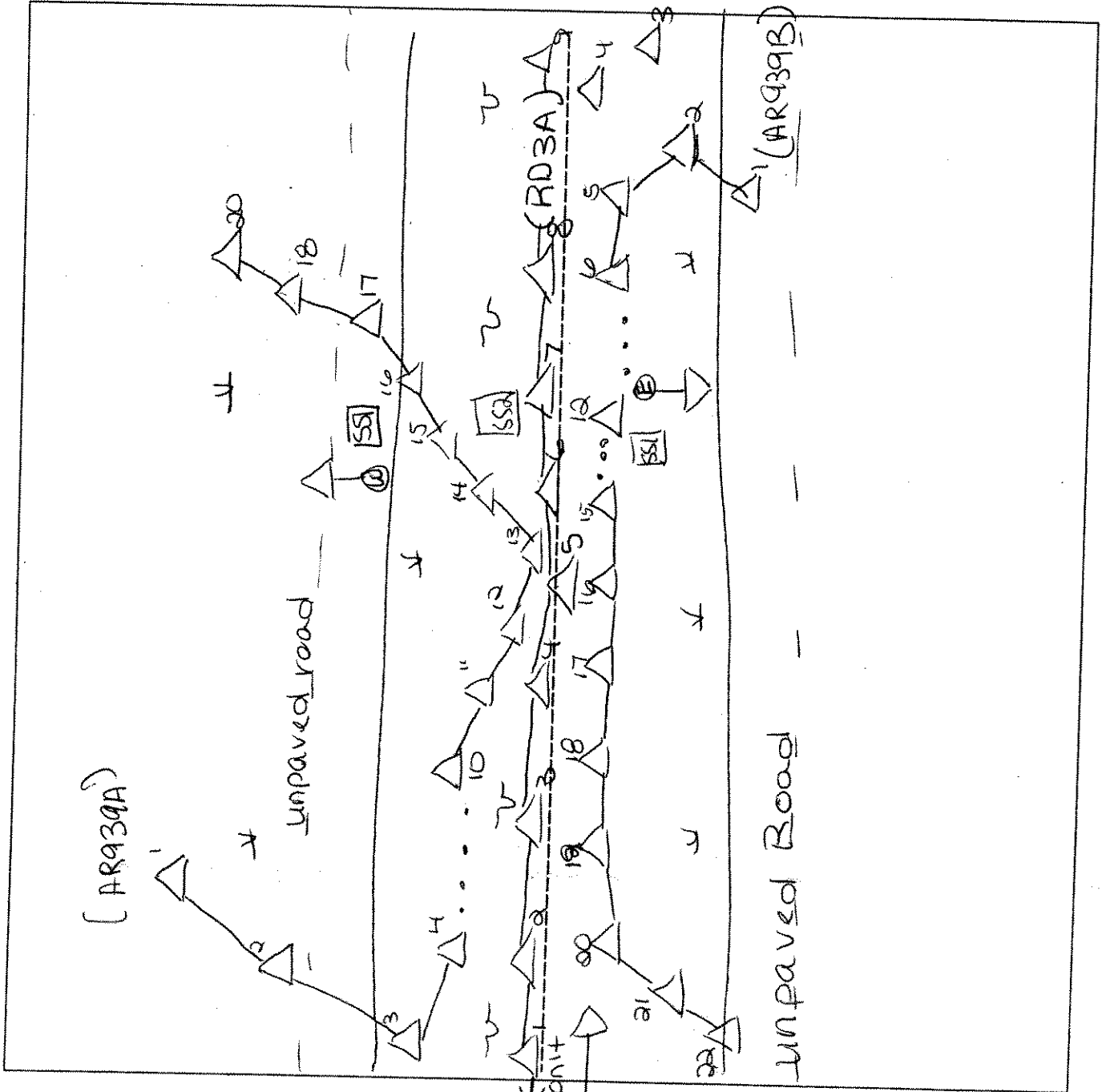
Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>0</u> Depth to Free Standing Water in Pit (in.): <u>> 15"</u> Depth to Saturated Soil (in.): <u>> 15"</u>	
Remarks:	

SKETCH FORM

Wetland ID/Route #: AR 939A/B + RD3A		Date: 7.18.06	Time:
Initials of Delineators: BR		Location: Access road between turbines 13 + 19	
Roll #: 108	Frames: 939A => W, 939B => E, RD3A => N	109	110



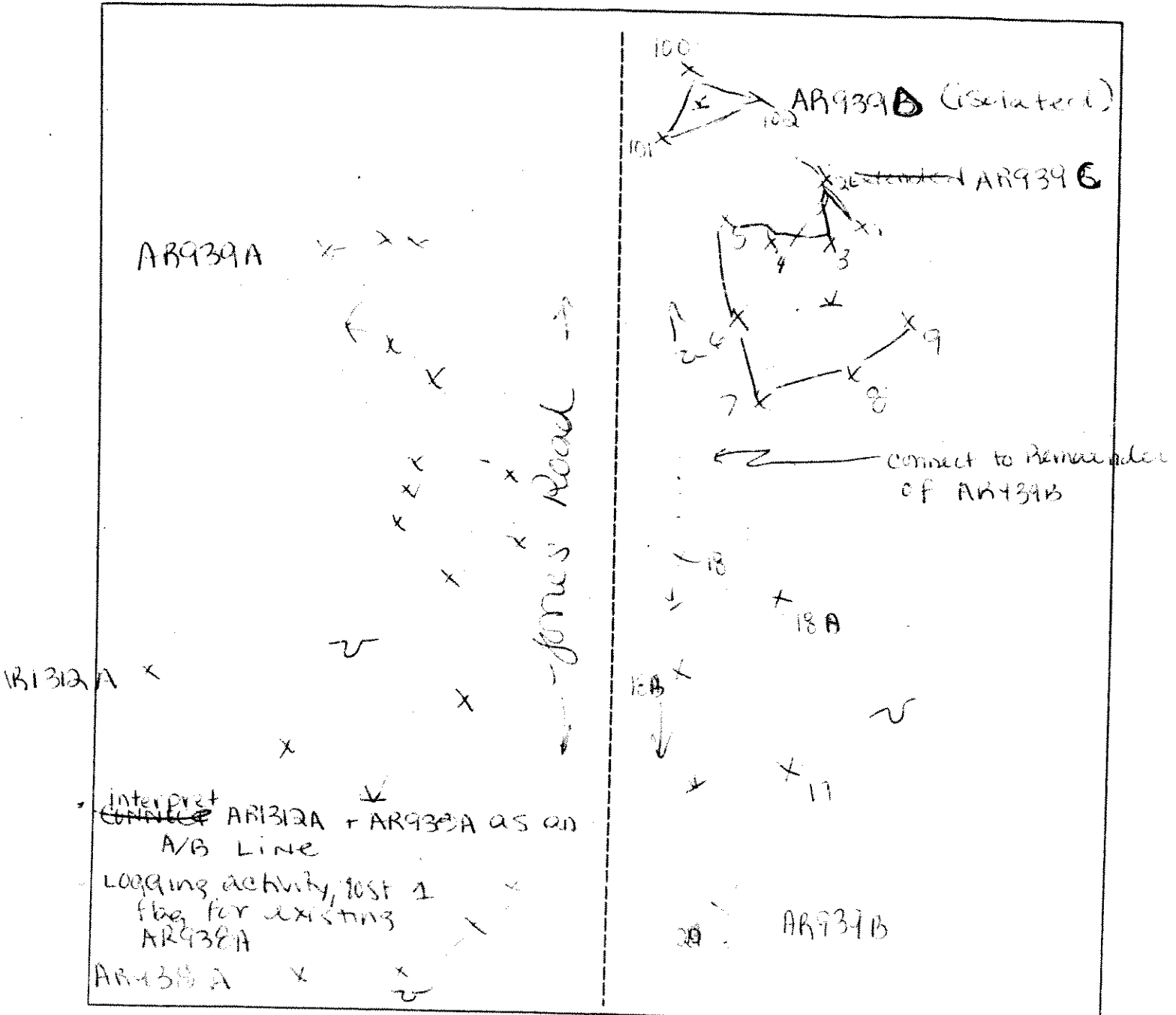
Legend

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

↑
N

SKETCH FORM

Wetland ID/Route #: AR1312A AR1312A + AR939B (C/D)		Date: 10/13/00	Time: 1600
Initials of Delineators: JB JV		Location: RR 10 + 13	
Roll #:	Frames:		



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

LAW EXTENSION

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	<input checked="" type="radio"/>								
Yes	<input checked="" type="radio"/>								
Community ID: PFO4 Transect ID: Plot ID: AR939 B S81									

VEGETATION

Plant Community Classification: Cedar Swamp
 Percent Canopy Cover: Tree: 80 Shrub: 45 Herb: 20 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. NW Cedar	T	FACW	9. Marsh Marigold	H	OBL
2. <i>Abies balsamea</i>	T	FAC	10. <i>Onoclea sensibilis</i>	H	FACW
3. <i>Picea mariana</i>	T	FACW-	11.		
4. <i>A. balsamea</i>	S	FAC	12.		
5. <i>Pteris</i> sp	H	-	13.		
6. <i>Orxys</i> sp	H	-	14.		
7. <i>Maianthemum Canadensis</i>	H	FAC	15.		
8. <i>Sphagnum</i> moss > 50%	H	OBL	16.		

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

Remarks: *Acer rubrum* observed outside sample station < 5% abundance.
 Can not i.d. species due to time of year.

HYDROLOGY

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

Date: 5/8/07
 Community ID: AR 939-B
 Plot ID: S81

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR 2/1			816t 100m
1-14	A	10YR 2/2			100cm
14-17	B	10YR 3/2	5Y 5/2	low, faint, med.	

Hydro Soil Indicators

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

Remarks: ORC^s in A-B, organic streaking in B

WETLAND DETERMINATION

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

Remarks: PHOTO 5 = E of DEC WL Area has been logged.

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/8/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input type="radio"/> No						
Community ID: UPL Transect ID: Plot ID: AR939 B SSA							

VEGETATION

Plant Community Classification: Spruce/Fir Mix Percent Canopy Cover: Tree: 50 Shrub: <5 Herb: 20 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	T	FAC	9.		
2. <i>Betula alleghaniensis</i>	T	FAC	10.		
3. <i>Picea mariana</i>	T	FACW	11.		
4. <i>Thuja occidentalis</i>	H	FACU	12.		
5. <i>Maianthemum canadense</i>	H	FAC	13.		
6. <i>Ostrya sp.</i>	H	-	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50%					
Remarks: * possibly <i>Aster acuminatus</i>					

HYDROLOGY

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

Date: 5/8/07
 Community ID: AR 939 B
 Plot ID: 552

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/2			
3-9	A	10YR 2/1	10YR 5/6	few distinct, fine	clay loam
9-12	B	10YR 6/8	10YR 6/3	prom., many, m.d.	sandy clay loam

Hydro Soil Indicators

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

Remarks: organic streaking in B

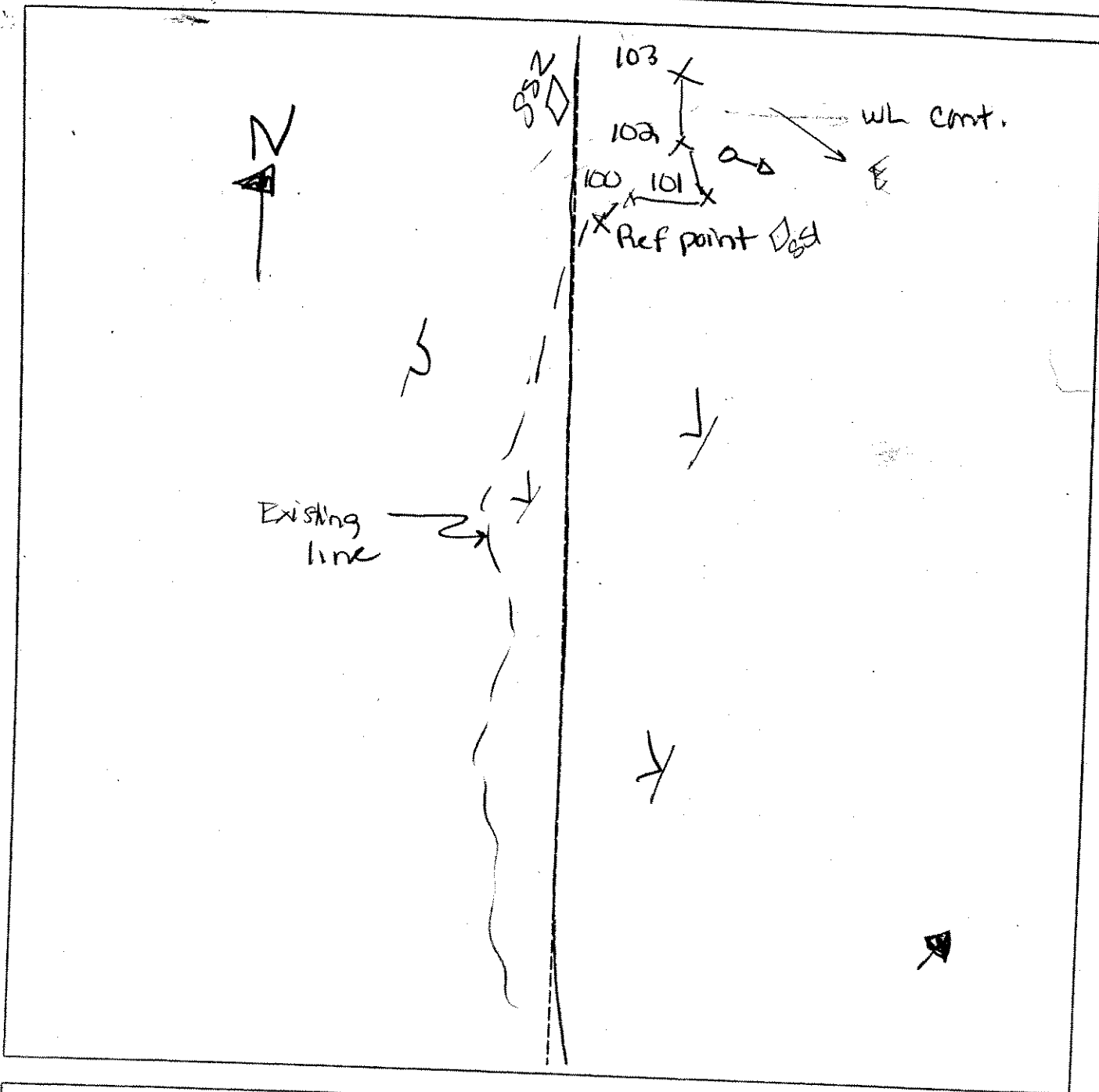
WETLAND DETERMINATION

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

Remarks: Area has been logged, Auto are present within WL / UPL transition. Definite relief into WL to E.

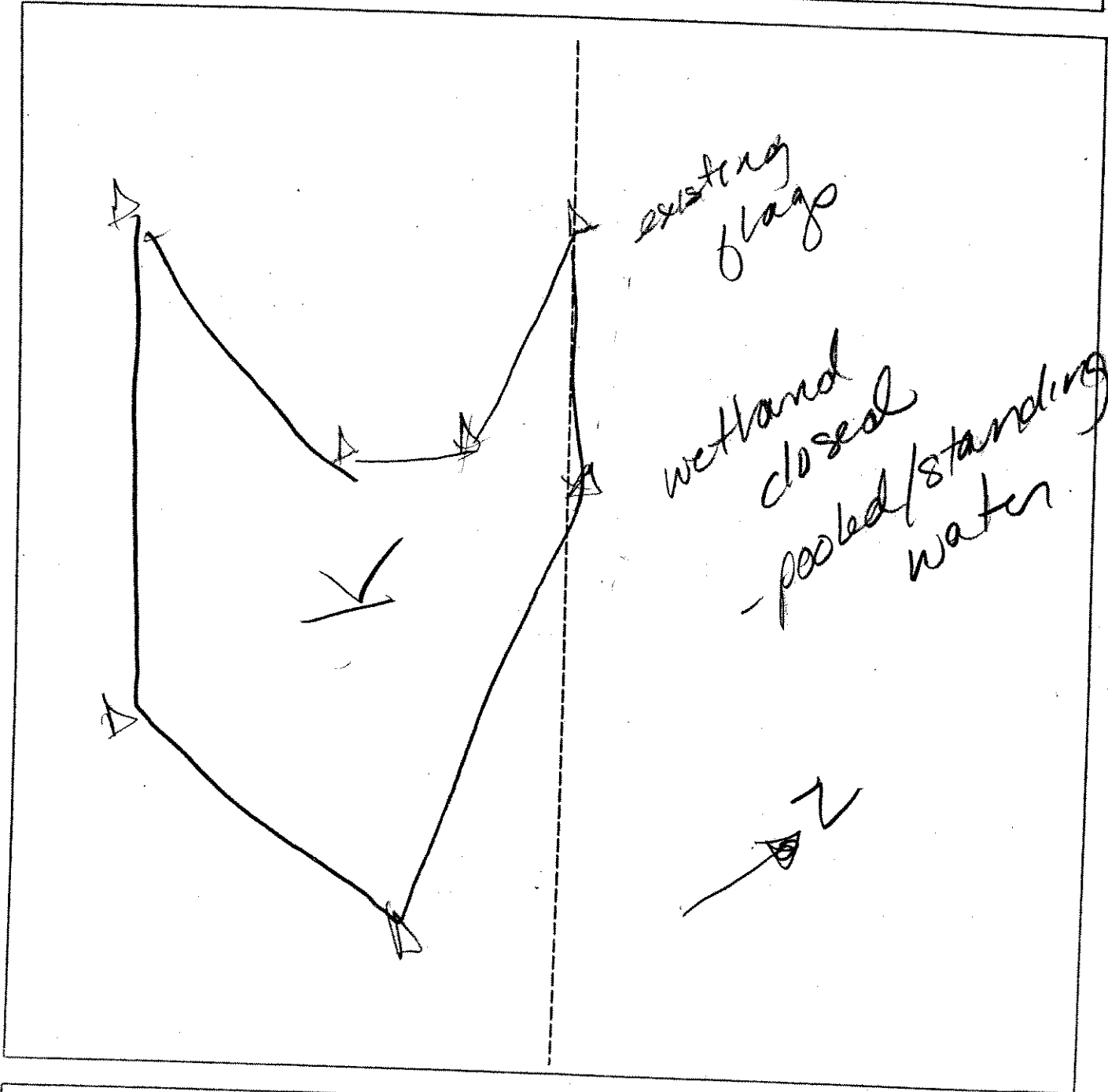
SKETCH FORM

Wetland ID/Route #: AR939B	Date: 5/8/07	Time:
Initials of Delineators: JV / AP	Location: OFF Frontier Rd	
Roll #: 5 = E	Frames:	



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

Wetland ID/Route #: AB939 C	Date: 8 May '07 Time:
Initials of Delineators: JV : AP	Location: Frontier Rd
Roll #:	Frames:



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>IB RUV</i>	Date: <i>10/15/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>AR1315</i> <i>SS1</i> <i>AR1316</i> <i>SS2</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Rep plot; Refer to WTG 206 A</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>Rep plot; Refer to WTG 206 A</i>	

Date: 10/15/06
 Community ID:
 Plot ID: AR1315/1316 SSI
 SS2

SOILS

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

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

Hydro Soil Indicators

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

Rep plot; Refer to WTB-206

WETLAND DETERMINATION

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








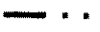
Remarks

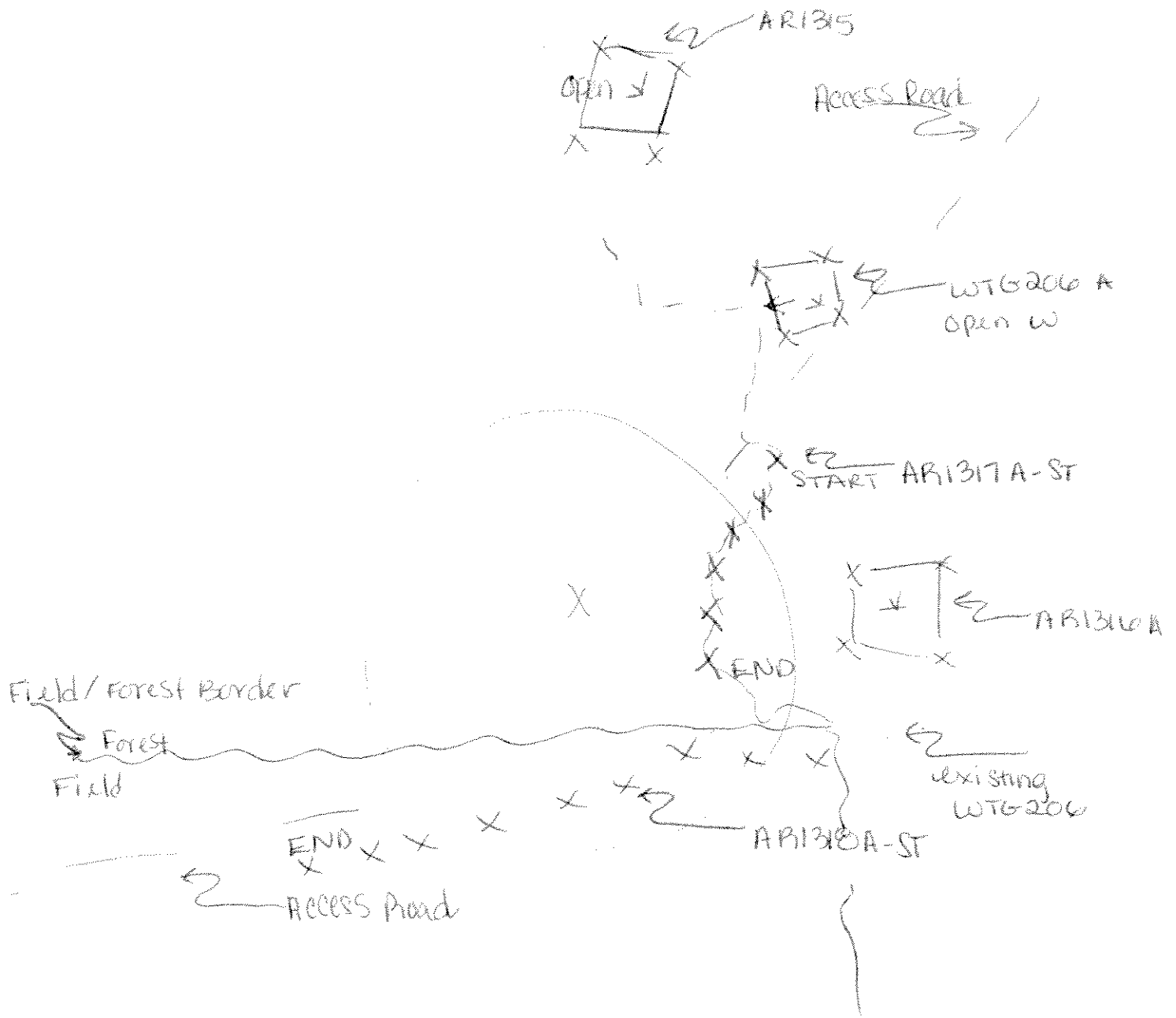
Rep plot; Refer to WTB-206

SKETCH FORM

Wetland ID/Route #: AR1315, 1316 WFG 2006	Date: 10/15/06	Time: 1300
Initials of Delineators: IB JV	Location: T. 206	
Roll #:	Frames:	

See Reverse

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



• WTG 206 (existing) has been pulled / altered to small open area N of T. 206



• Isolated AR1316 WL + WTG 206A

• AR1317 + 1318 - ST are manmade ditches along Field / Forest border.

• open AR1315 to W

(WTG 206-A - 552 = REPRESENTATIVE PLOT)

AR 1315-A
AR 1316-A

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

V.6. WTG 206A 13A 2
WTG 206A-1

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BR</u>	Date: <u>5/21/06</u> County: <u>Clerks</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>RD</u> Transect ID: Plot ID: <u>WTG 206 A 13A 2 552</u>

shared upland Plot

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 63.0 Shrub: 26.5 Herb: 63.0 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Red maple</u>	<u>Shrub</u>	<u>FAC</u>	10.		
3. <u>Blk.berry</u>	<u>Shrub</u>	<u>FACU</u>	11.		
4. <u>Maidenhair</u>	<u>Herb</u>	<u>FAC-</u>	12.		
5. <u>Grass Fern</u>	<u>Herb</u>	<u>FACU</u>	13.		
6. <u>Tree like Club moss</u>	<u>Herb</u>	<u>FACU</u>	14.		
7. <u>Interrupted Fern</u>	<u>Herb</u>	<u>FAC</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/7 = 42

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>> 14"</u> Depth to Saturated Soil (in.): <u>> 14"</u>	
Remarks:	

Date: 5/21/06
 Community ID: PFO
 Plot ID:

WTB 206 Bgms 462

SOILS

Map Unit Name (Series and Phase): U/A		Drainage Class: MWD			
Taxonomy (SubGroup): U/A		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A ₁	10YR2/2	None	None	FSL
4-14+	B ₁	10YR2/6	None	None	FSL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV DR	Date: 9/15/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: CV1173A SSI

VEGETATION

Plant Community Classification: PFO					
Percent Canopy Cover: Tree: 80% Shrub: 20% Herb: 20% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	T	FACW+	9.		
2. <i>Fraxinus pennsylvanica</i>	T	FACW	10.		
3. <i>B. populi folia</i>	T	FAC	11.		
4. <i>Alnus rugosa</i>	U	FACW+	12.		
5. <i>V. burnum Lintago</i>	S	FAC	13.		
6. <i>Rubus</i> sp	H	-	14.		
7. <i>Onoclea sensibilis</i>	M	FACW	15.		
8. <i>V. burnum trilobum</i>	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: (1) maple observed on slope - <i>Rubus</i> sp. Suspected to be FACW sp. (1) prunus observed w/ area (shrub)					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPO/DEC <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-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.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): upper 12"	
Remarks:	

Date: 9/15/06
 Community ID:
 Plot ID: CV1173 A SSI

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-8	A	10YR 3/2			Silty clay
8-20+	B	10YR 5/2	10YR 4/6	many/coarse/prom	Silty clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks Photo => S Wetland area associated w/ CV1173 A-ST			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV DR	Date: 9/15 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: CV173A SS2

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Viburnum lentago	S	FAC	9.		
2. Rubus sp	S	—	10.		
3. Solidago canadensis	H	FAC	11.		
4. Arctium lappa	H	FACU-	12.		
5. Taraxacum officinale	H	FACU	13.		
6. Plantago major	H	FACU	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/5 40%.					
Remarks: Rubus sp. suspected to be FACW sp.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TUD/DEC <input type="checkbox"/> No Recorded Data Available	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: 9/15/06
 Community ID: upland
 Plot ID: CV1173 A SSA

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Field Observations
 Confirm Mapped Type? Yes No

Taxonomy (SubGroup):

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

Hydro Soil Indicators

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

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

Remarks:

Refusal @ 3" - entire UA area surrounded by compacted access road.

WETLAND DETERMINATION

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

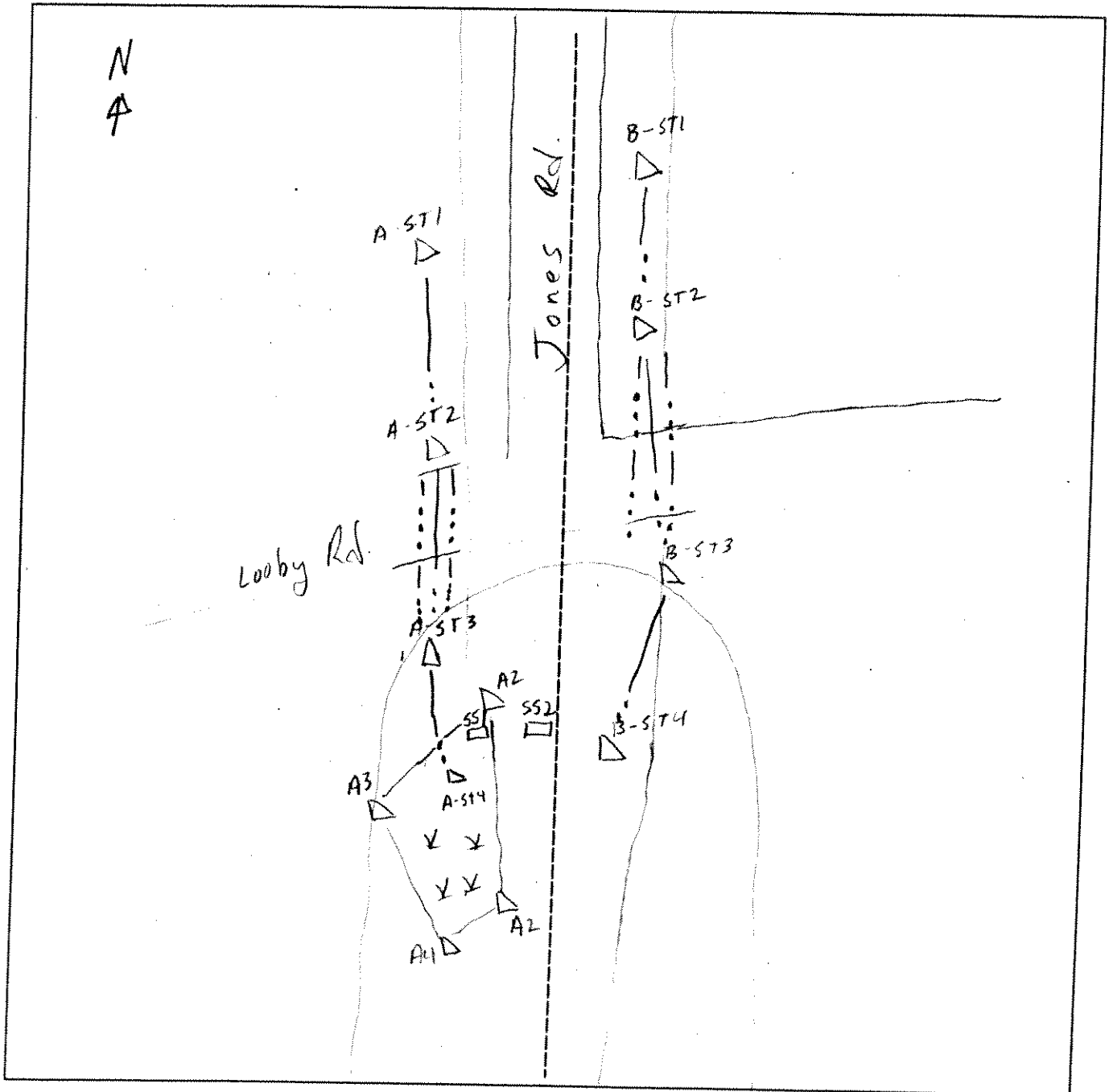
Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: CV1173 A/B	Date: 9/15/66	Time: 10:45 am
Intials of Delineators: DR / JV	Location: Intersection of Jones + Looby Road	
Roll #:	Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD / SC / LP	Date: 5-31-07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: CV1400 B/C Plot ID: 551

VEGETATION PEM Low pasture

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: 95% Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Green Bull Rush	H	OBL	9.		
2. Carex sp.	H		10.		
3. Mint	H	FACW	11.		
4. Sensitive Fern	H	FACW	12.		
5. Soft Rush	H	FACW+	13.		
6. Jewel Weed	H	FACW	14.		
7. Scattered Iris sp.	H	OBL	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/7 = 86%.					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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.): 4" in places Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 6-13-07
 Community ID: Wetland/C
 Plot ID: CV1400B/C-SSI

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-12"	A ₀	7.5YR 4/1	5YR 4/1		
12-18"	B	10YR 5/2	10YR 3/6	Comm/Med/Distinct	Clay loam w/ con cre.

Hydro Soil Indicators

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

- Concretions (12-18")
- High Organic Content, Surface Layer in Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on Local Hydric Soils List
- Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

Not isolated, associated w/ intermit. stream
 Is this Sample Station Point Within a Wetland? Yes No

Remarks: Bobolinks ; American Robin

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD/SC/LP	Date: 5-31-07 County: Clinton Upland State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: CN1400 B/C & A Plot ID: SSZ

VEGETATION *Early successional roadside*

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: 95% Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Dandelion	H	FACU-	9.		
2. Equisetum	H	FACW	10.		
3. Cow vetch	H	UPL	11.		
4. Brasses	H		12.		
5. Wild Madder	H	UPL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $1/5 = 20\%$					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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.): N/A Depth to Free Standing Water in Pit (in.): N/A Depth to Saturated Soil (in.): N/A	
Remarks:	

Date: 5-31-07
 Community ID: upland
 Plot ID: SSZ
 CV1400 B/C #A

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-7"	A	10YR 3/3	N/A		Sandy loam
7-18"	B	5YR 4/3	N/A		Sandy loam

Hydro Soil Indicators

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

Remarks:
 0-7" slight stoney → off roadside

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD/SC/LP	Date: 5-31-07 County: Clinton State: NY								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Yes</td> <td><input type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	<input checked="" type="radio"/>	Yes	<input type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	<input checked="" type="radio"/>								
Yes	<input type="radio"/>								
Community ID: Wetland Transect ID: CV1400A Plot ID: 553									

VEGETATION PEM - Hay field

Plant Community Classification:					
Percent Canopy Cover: Tree: \emptyset Shrub: $>8\%$ Herb: 95% Vine: \emptyset					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Dark green bullrush	H	OBL	9.		
2. Jewel weed	H	FACW	10.		
3. Carex sp.	H		11.		
4. Aster sp.	H		12.		
5. Sensitive Fern	H	FACW	13.		
6. Meadow sweet	S/H	FAC+	14.		
7. Scattered Iris sp.	H	OBL	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $5/8 = 63\%$.					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 (few) <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 4" in places Depth to Free Standing Water in Pit (in.): 10" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5-31-07
 Community ID: CV1400A
 Plot ID: 553

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18"	A	10YR 3/1	N/A		Silty Clay loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

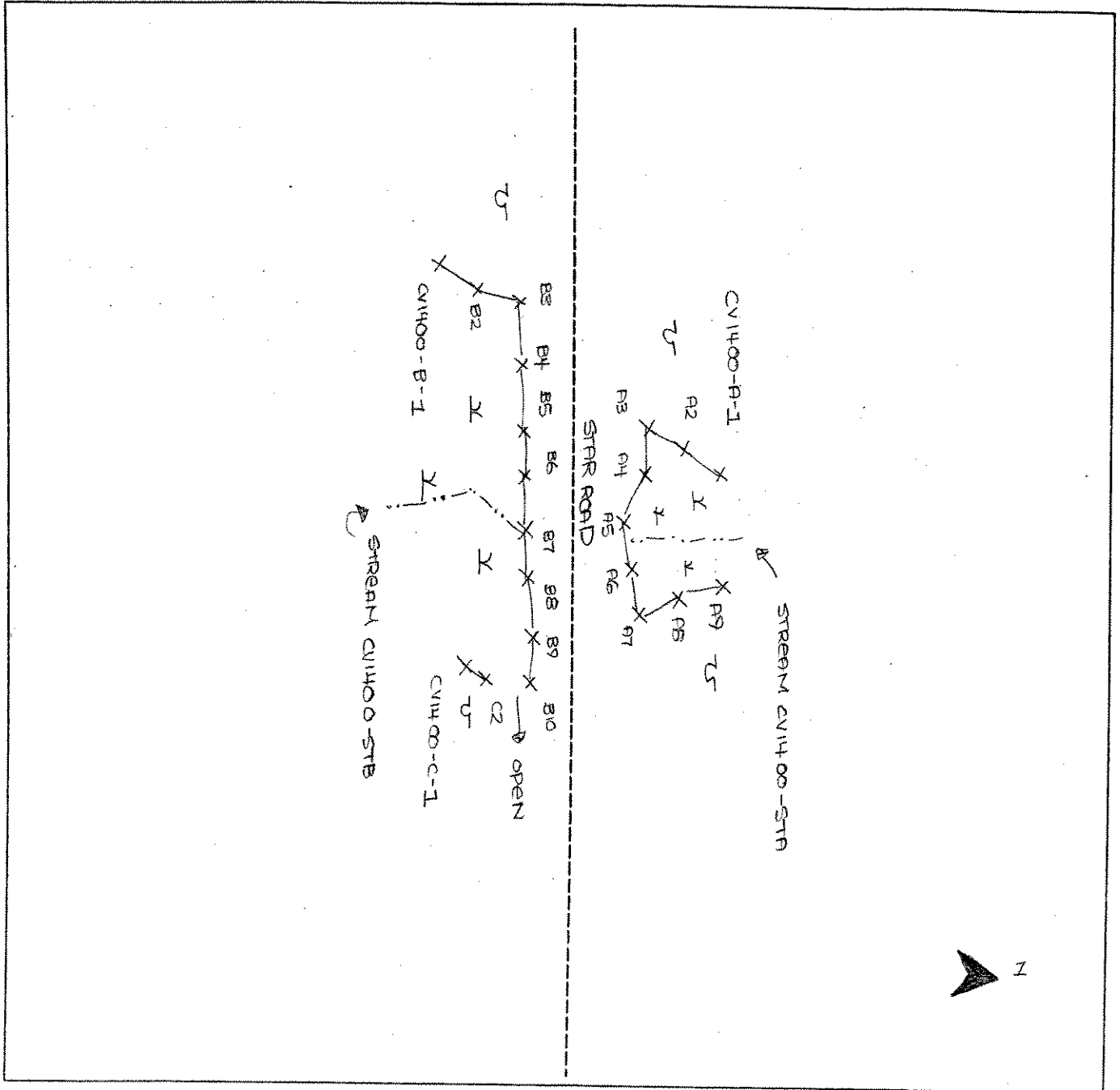
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric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

Remarks

Not isolated, associated w/ intermit. stream

SKETCH FORM

Wetland ID/Route #: CV1400A + CV1400 B/C	Date: 5/31/2007	Time:
Initials of Delineators: RJD / SC / LP	Location:	
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</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RVD, AT</u>	Date: <u>5/9/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>CWIC 704A</u> Plot ID: <u>SS1</u>

VEGETATION

PFO.1

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>65%</u> Shrub: <u>45%</u> Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPRING MORN</u>	<u>H</u>	<u>OBL*</u>	9. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>
2. <u>Carex sp</u>	<u>H</u>	<u>-</u>	10. <u>Trout Lilly</u>	<u>H</u>	<u>UPL*</u>
3. <u>Equisetum</u>	<u>H</u>	<u>-</u>	11. <u>High bush blackberry</u>	<u>S/H</u>	<u>NI</u>
4. <u>Red maple</u>	<u>H</u>	<u>FAC</u>	12. _____		
5. <u>Green Ash</u>	<u>T/H</u>	<u>FACW</u>	13. _____		
6. <u>Red Birch</u>	<u>T/S</u>	<u>-</u>	14. _____		
7. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	15. _____		
8. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	16. _____		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks: <u>① Not listed, Assume OBL</u> <u>② Assume UPL</u>					

HYDROLOGY

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

Date: 5/19/06
 Community ID: WETLAND
 Plot ID: CWICT04A-SS1

SOILS

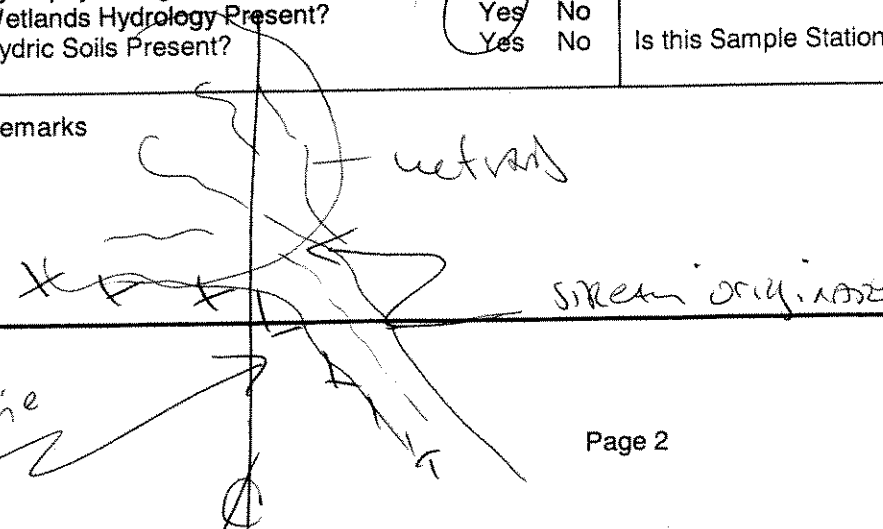
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR3/1	—	—	Silty clay
6-12	B	10YR3/1	—	—	CLAY

Hydro Soil Indicators

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

Remarks:
 Residue of Argon. AT 12"
 * Oxidized Rhizospheres 0-12"

WETLAND DETERMINATION

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

Alone

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

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RDJ</u>	Date: <u>5/19/06</u> County: <u>Clay</u> State: <u>NC</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>CWIC704A</u> Plot ID: <u>SS2</u>

VEGETATION

Upland Decid forest, logged w/ 5-10 yrs ago

Plant Community Classification:

Percent Canopy Cover: Tree: 25% Shrub: 75% Herb: 70% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red maple	T/S		9. High bush blackberry	S	NI
2. Green Ash	T	FACW	10. Smooth hickory	S	FAC
3. <u>Red Alder</u>	<u>S</u>	<u>FAC</u>	11. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>
4. <u>Common Sweet</u>	<u>S</u>	<u>FACW</u>	12. <u>Creeper buttercup</u>	<u>H</u>	<u>FAC</u>
5. <u>Prunella 6. Red</u>	<u>H</u>	<u>FACU</u>	13. <u>Sugar maple</u>	<u>S</u>	<u>FACU-</u>
6. <u>Smooth hickory</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Spring beauty</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>TRAIL CLOVER</u>	<u>H</u>	<u>UPL*</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 45%

Remarks:

* Assume UPL

HYDROLOGY

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

Date: 5/19/06
 Community ID: UPLANDS
 Plot ID:

CWIC704A-SS2

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	1011A	10YR 4/3	-	-	SIF / 10cm

Hydro Soil Indicators

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

Remarks:
Revised August 8 11

WETLAND DETERMINATION

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

Remarks
 - Long's Pine
 - young trees from old stumps
 - open canopy

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

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RTS, BV</u>	Date: <u>5/18/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <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>CWIC 70413</u> Plot ID: <u>-SS1</u>

VEGETATION

PTO 1 / PSS

Plant Community Classification: Percent Canopy Cover: Tree: <u>45%</u> Shrub: <u>40%</u> Herb: <u>60%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Willow sp	S	-	9. Gray bird	T/S	FAC
2. Sensitive Fern	H	FACW			
3. Carex lasiocarpa	H	OBL			
4. Sphagnum moss	H	OBL*			
5. Impatiens capensis	H	FACW			
6. Red Bird	T/S	-			
7. Yellow Bird	T	FAC			
8. Green Ash	T	FACW			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>* Assume OBL</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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.): <u>2" in Drainage pattern</u> Depth to Free Standing Water in Pit (in.): <u>2</u> Depth to Saturated Soil (in.): <u>2</u>	
Remarks:	

Date: 5/19/06
 Community ID: wetland
 Plot ID: CWIC 704B-SS1

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-12	A	10YR2/1	—	—	Silt/Am

Hydro Soil Indicators

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

Remarks:
 Residual of Aquic 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>MARLBOROUGH</u> Applicant/Owner: <u>MARLBOROUGH, LLC</u> Investigator: <u>TAI, R</u>	Date: <u>5/9/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>CWIC 704 B</u> Plot ID: <u>SS2</u>

VEGETATION

open PFOI

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>75%</u>	Shrub: <u>70%</u>	Herb: <u>70%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sugar Maple</u>	<u>T/S/A</u>	<u>FACU-</u>	9.		
2. <u>Q. Asper</u>	<u>T/A</u>	<u>FACU</u>	10.		
3. <u>Graybird</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Black Lily</u>	<u>H</u>	<u>UPL*</u>	12.		
5. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Strawberry</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Sourcherry</u>	<u>S/H</u>	<u>FAC</u>	15.		
8. <u>Apple 50</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>33.1</u> .					
Remarks: <u>x ASSUME UPL</u>					

HYDROLOGY

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

Date: 5/19/06
 Community ID: UPLAND
 Plot ID:

CWIC 704B-SS2

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 2/2	—	—	Heavy silt loam

Hydro Soil Indicators

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

Remarks:

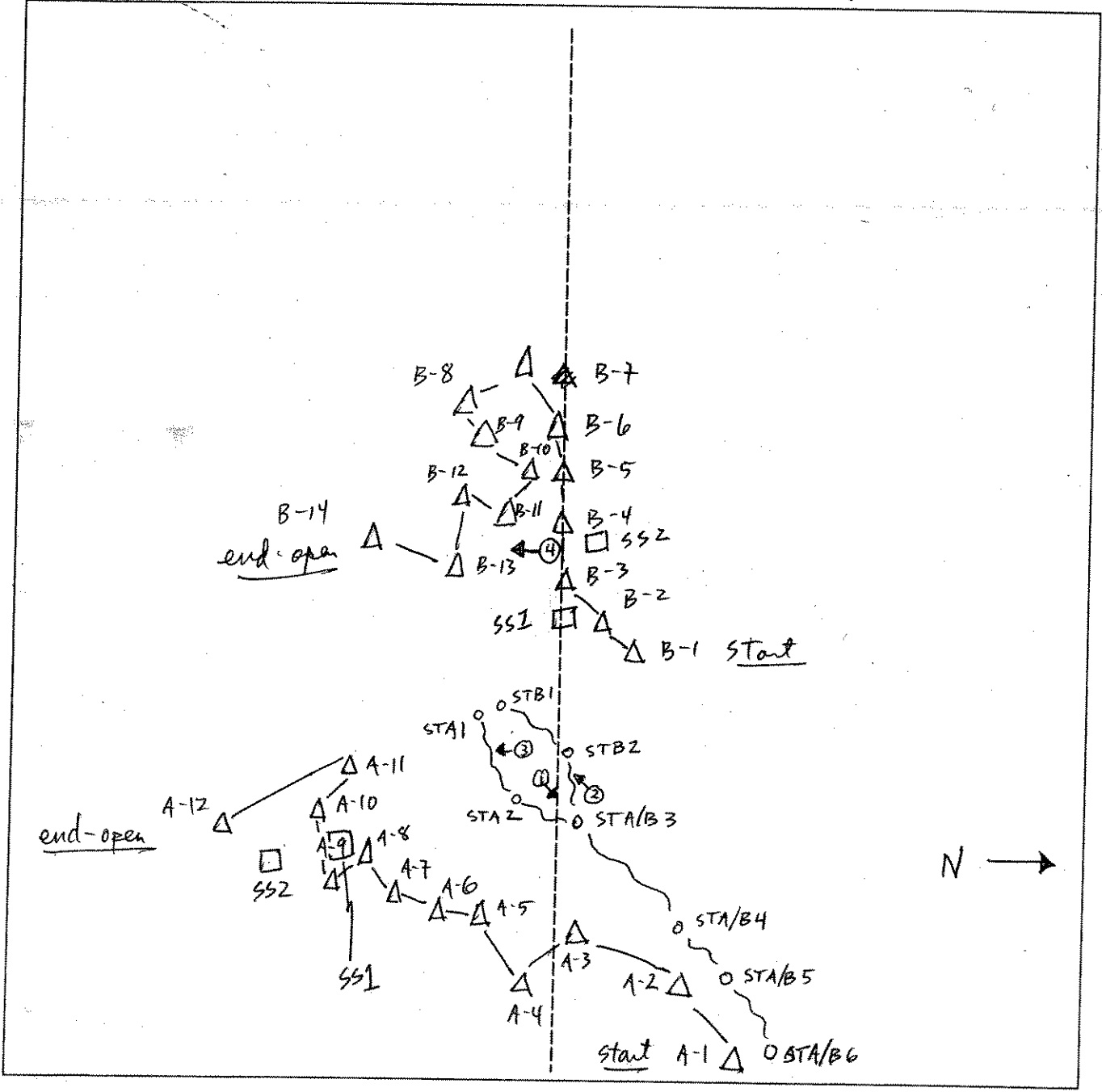
WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland?	<input checked="" type="radio"/> Yes	<input 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 #: CWIC 704 A/B	Date: 5/9/06	Time: 9:45 a.
Initials of Delineators: RD - RJ	Location:	
Roll #:	Frames: photo 1 facing NE - stream, photo 2 facing SW, trils.; photo 3 facing S - wetland; photo 4 facing S - wetland	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLAND Transect ID: CWIC704A1B Plot ID: 553

VEGETATION

Plant Community Classification: PFO1					
Percent Canopy Cover: Tree: 70 Shrub: 20 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ONOCLEA SENSIBILIS	H	FACW	9. CAREX SP	H	
2. ASTER SP	H		10. MEADOWSWEET	S	FAC+
3. INPATIENS CAPENSIS	H	FACW	11.		
4. SOLIDAGO SP.	H		12.		
5. SPECKLED ALDER	S	FACW+	13.		
6. ULMUS AMERICANA	T,S	FACW-	14.		
7. FRAXINUS PENNSYLVANICA	T,S	FACW	15.		
8. BETULA POPULIFOLIA	T	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 9/12 = 75%					
Remarks: scattered EQUISETUM					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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.): N/A Depth to Free Standing Water in Pit (in.): 4" Depth to Saturated Soil (in.): 50"	
Remarks:	

Date: 6/1/2007
 Community ID: WETLAND
 Plot ID: 333

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10 YR 3/1			SILTY CLAY LOAM
10-18	B	10 YR 5/2	10 YR 4/4	FEW/MED/FAINT	SANDY LOAM

Hydro Soil Indicators

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

Remarks: ORGANIC STREAKING

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPLAND Transect ID: CWICT04 A/B Plot ID: 554

VEGETATION

Plant Community Classification: UPLAND DECIDUOUS FOREST					
Percent Canopy Cover: Tree: 85 Shrub: 30 Herb: 65 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ACER SACCHARUM	T, S, H	FACU-	9. IMPATIENS CAPENSIS	H	FACW
2. FRAXINUS PENNSYLVANICA	T	FACW	10. ASTER SP	H	
3. LINUS AMERICANA	T	FACW-	11. RUBUS SP	H	
4. HAWTHORN	S		12. WOOD FERN	H	
5. SPIRAEA LATIFOLIA	S	FAC+	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/11 = 36%					
Remarks: PARTIALLY BERRY IN OTHER PLACES INTERRUPTED FERN					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated @ 16" <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands 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.): N/A Depth to Free Standing Water in Pit (in.): 16" Depth to Saturated Soil (in.): 16"	
Remarks:	

Date: 6/1/2007 UPLAND
 Community ID: CW1C704 A1B
 Plot ID: SS4

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0- 10 10	A	10YR2/1			LOAM
10- 16 16	B ₁	10YR3/2			SILT LOAM
16-18	B ₂	10YR5/3			SANDY LOAM

Hydro Soil Indicators

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

Remarks:

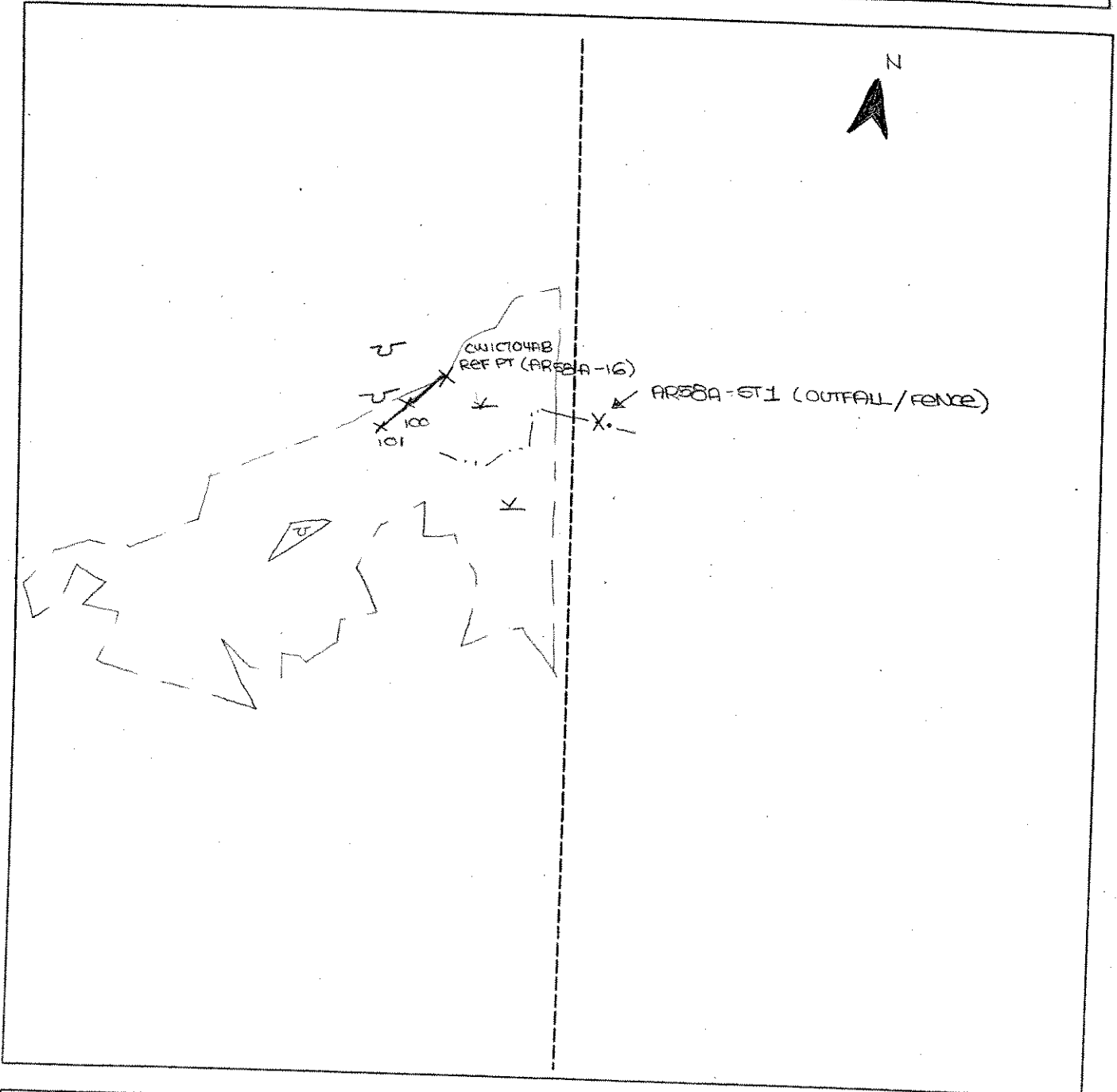
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: CWIC704 - A/B	Date: 5/25/2007 Time:
Initials of Delineators: RJD	Location:
Roll #: Frames:	



<u>Legend</u>	
○▼	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: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>RTN RT</u>	Date: <u>5/19/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <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>WERMID</u> Transect ID: <u>WIC705A</u> Plot ID: <u>SS1</u>

VEGETATION P.S.S.

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>80%</u> Herb: <u>80%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MEADOW SWEET</u>	<u>S/H</u>	<u>FACW</u>	9.		
2. <u>Silky Willow</u>	<u>S</u>	<u>OBL</u>	10.		
3. <u>Carex sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Juncus sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>ALBAC (green)</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Grass sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Club moss</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/9/06
 Community ID: wetlands
 Plot ID: CWIC705A-SS1

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 5/1	10YR 5/8	Few (medium)	CLAY

Hydro Soil Indicators

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

Remarks: *Revised to A at 10"*

WETLAND DETERMINATION

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

Remarks: *Use also for B Line (near wetland)*

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

Project Site: <u>MARSH RICE</u> Applicant/Owner: <u>MARSH RICE, LLC</u> Investigator: <u>DD, TA</u>	Date: <u>5/9/06</u> County: <u>Clinch</u> State: <u>NC</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLM15</u> Transect ID: <u>CWIC 705A</u> Plot ID: <u>SS2</u>

VEGETATION

OPEN EARLY SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>75%</u>	Shrub: <u>40%</u>	Herb: <u>100%</u>	Vine: <input checked="" type="checkbox"/>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Grass</u>	<u>1+</u>	<u>-</u>	9.		
2. <u>Clear water</u>	<u>1-1</u>	<u>FAC</u>	10.		
3. <u>Podium</u>	<u>1+</u>	<u>FACW</u>	11.		
4. <u>Wack weed</u>	<u>1+</u>	<u>UPL</u>	12.		
5. <u>Spice</u>	<u>1</u>	<u>-</u>	13.		
6. <u>marsh weed</u>	<u>5</u>	<u>FAC+</u>	14.		
7. <u>Common water</u>	<u>1+</u>	<u>FACU</u>	15.		
8. <u>Wack weed</u>	<u>1/5</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>43%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/18/06
 Community ID: upland
 Plot ID: CWIC 705 A - 552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/2	—	—	Silty clay

Hydro Soil Indicators

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

Remarks:

Removal of topsoil 12"

WETLAND DETERMINATION

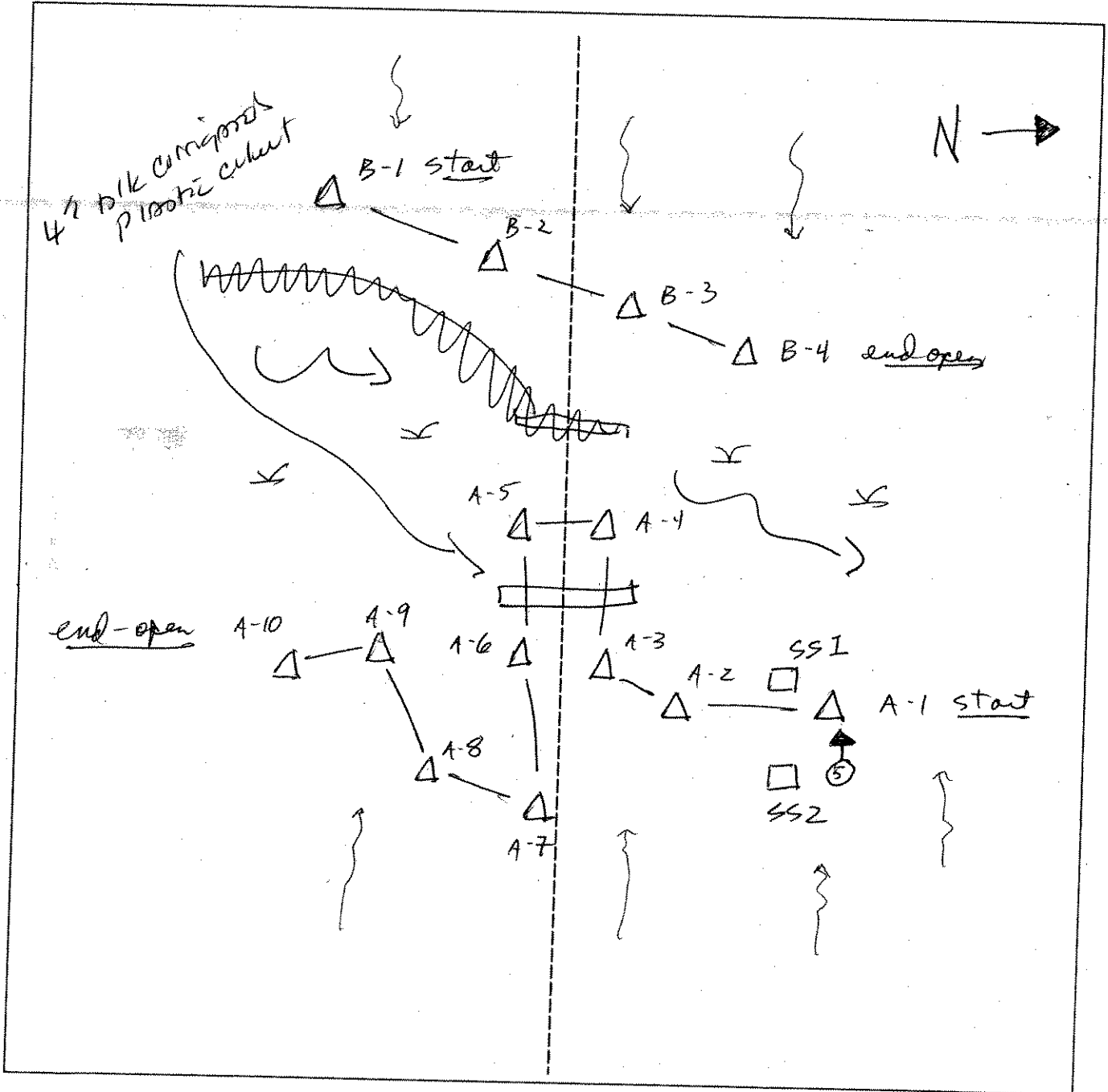
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	

Remarks

Use for B-line - narrow wetland

SKETCH FORM

Wetland ID/Route #: CWIC705A/B	Date: 5/9/06	Time: 11:55 a.
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames:	photos facing W



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

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

Project Site: <i>Norfolk River WMA</i>		Date: <i>5/20/06</i>
Applicant/Owner: <i>Norfolk River, LLC</i>		County: <i>Clinton</i>
Investigator: <i>BE</i>		State: <i>NY</i>
Do Normal Circumstances exist on the site?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <i>Hay field</i>	Community ID: <i>wetland</i>
Is the site significantly disturbed (Atypical Situation)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Transect ID:
Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="checkbox"/> No <input type="checkbox"/>	Plot ID: <i>CWFC-722-A-551</i>

VEGETATION

Plant Community Classification: _____

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

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. UK Grass</i>	<i>H</i>		9.		
<i>2. Carex sp (early)</i>	<i>H</i>	<i>Assumed</i>	10.		
<i>3. Plectanthes sp</i>	<i>H</i>	<i>OBL</i>	11.		
<i>4. Onoclea sensibilis</i>	<i>H</i>	<i>FACW</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: *no dandelion or clover*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <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 type="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>8-20"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date:
 Community ID:
 Plot ID:

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-16"	A ₁	2.5Y 2.5/1	10YR 7/4 +	2.5Y 5/2	Sandy loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Marble River Wad</i>		Date: <i>5/20/06</i>
Applicant/Owner: <i>Marble River, LLC</i>		County: <i>Clinton</i>
Investigator: <i>BCO</i>		State: <i>NC</i>
Do Normal Circumstances exist on the site?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>CWIC-722-A-552</i>
Is the site significantly disturbed (Atypical Situation)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <i>Hay field</i>	
Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

VEGETATION

Plant Community Classification:						
Percent Canopy Cover:						
Tree:		Shrub:		Herb:		Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. UK ORGS	H		9.			
2. <i>Trifolium repens</i>	H	FACW	10.			
3. <i>Thalictrum officinarum</i>	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-): <i>0%</i>						
Remarks:						

HYDROLOGY *None*

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

Date: 5/20/06
 Community ID: Upland
 Plot ID: CW-IC 728 A SSD

SOILS

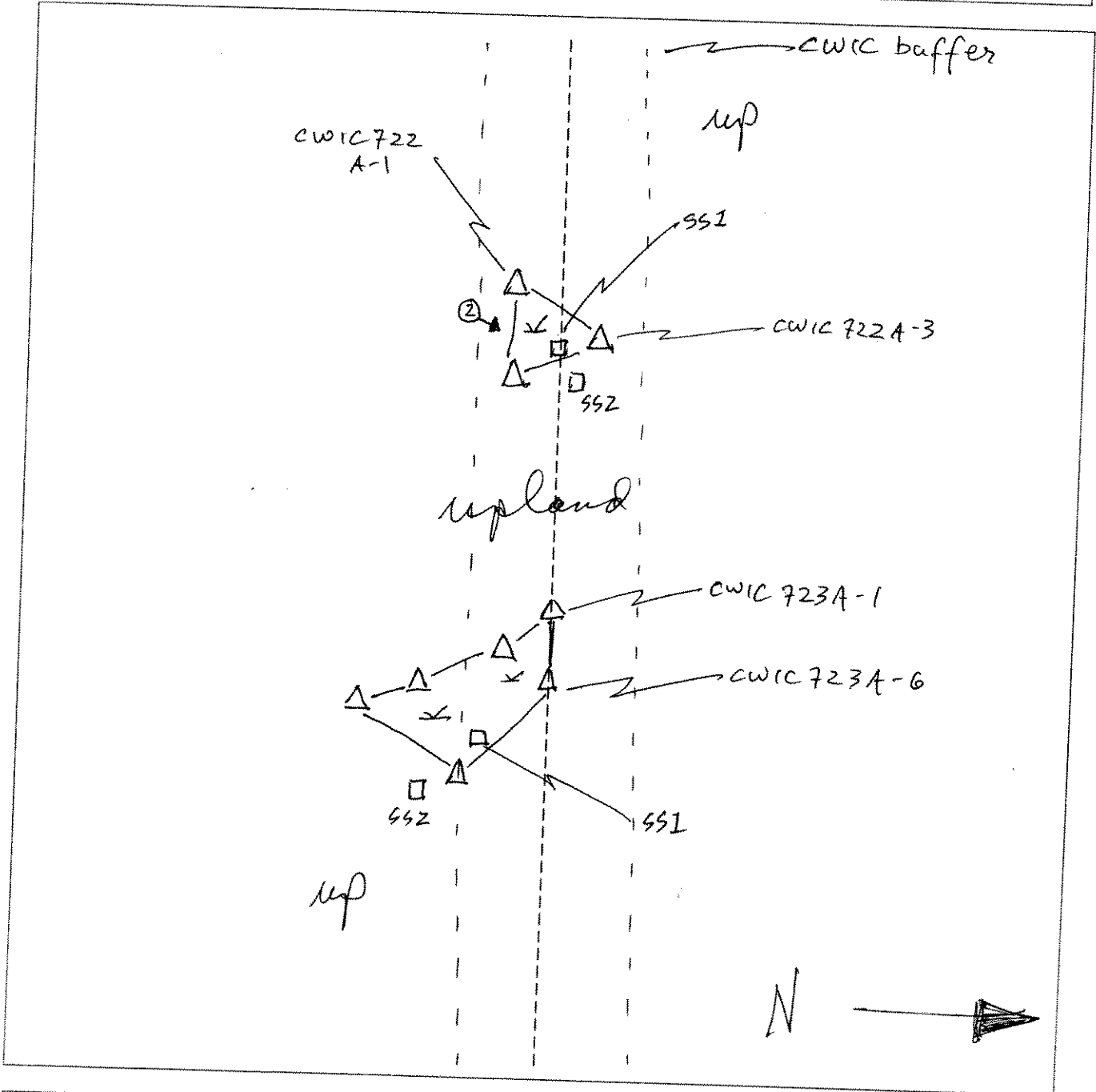
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
AP	0-15	10YR 3/2	7.5 YR 3/4	< 2%	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: CWIC722A & 723A		Date: 5/20/06	Time:
Initials of Delineators: BQ-RJ		Location:	
Roll #:	Frames: photo 2 XNE @ CWIC722A-1		



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

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

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BO</u>	Date: <u>5/17/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" 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: _____ Plot ID: _____ <u>CW715-B-SS1</u>

VEGETATION

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
* 1	<u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	9			
* 2	<u>A. Pulmonum</u>	<u>T</u>	<u>FAC</u>	10			
3	<u>Fragaria virginiana</u>	<u>H</u>	<u>FACW</u>	11			
* 4	<u>O. sensibilis</u>	<u>H</u>	<u>FACW</u>	12			
* 5	<u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	13			
* 6	<u>O. cinnamomea</u>	<u>H</u>	<u>FACW</u>	14			
* 7	<u>P. serotino</u>	<u>SA</u>	<u>FACW</u>	15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 71%

Remarks:

HYDROLOGY

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

CW 765-19-551

SOILS

Map Unit Name _____ Drainage Class: _____
 (Series and Phase): _____

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-7	A	2.5Y 3/1	08 Rhizo		Sandy loam
7-12+	B _q	2.5Y 6/2	10YR 4/6	75%	Sandy loam

Hydric Soil Indicators:
 -low chromic soil colors

Remarks:

WETLAND DETERMINATION

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

Approved by HQUSACE 3/92

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

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BCQ</u>	Date: <u>5/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <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: _____ CW 715-B-552

VEGETATION

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
* 1	<u>A. rubra</u>	<u>T</u>	<u>FAC</u>	9			
# 2	<u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10			
3	<u>P. serotina</u>	<u>SH</u>	<u>FACU</u>	11			
4	<u>M. canadense</u>	<u>H</u>	<u>FAC-</u>	12			
5	<u>Christmas tree</u>	<u>H</u>	<u>FACU</u>	13			
6				14			
7				15			
8				16			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 40%

Remarks:

HYDROLOGY NONE

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

Upland
CW 715-13-558

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: _____

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-1	A	10YR 3/1	None		
1-6	Bw1	10YR 4/4	None		
6-10*	Bw2	10YR 4/6	None		

Hydric Soil Indicators:

Remarks:

WETLAND DETERMINATION

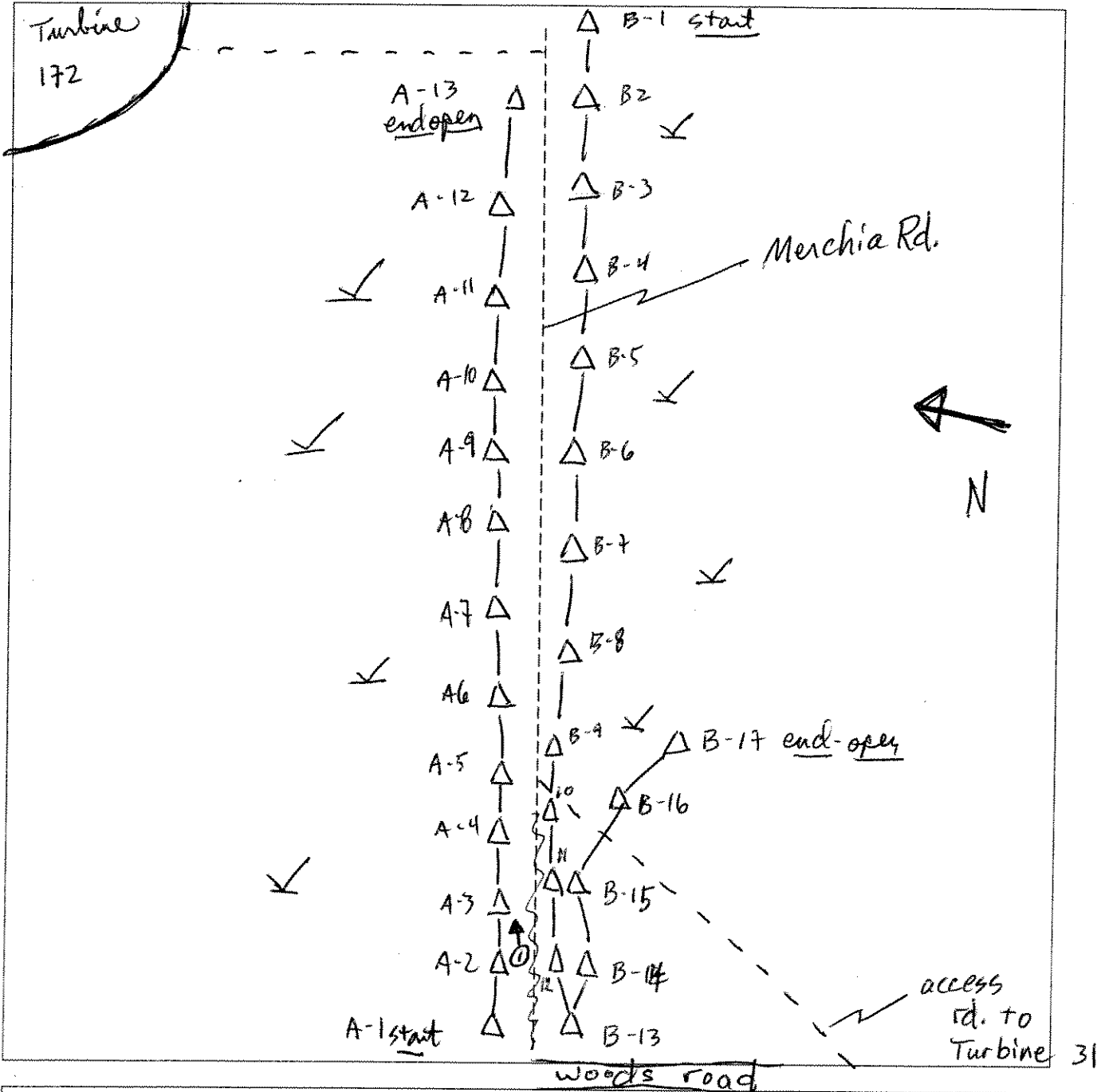
? →

Hydrophytic Vegetation Present?	Yes No (Circle)	(Circle)
Wetland Hydrology Present?	Yes <u>No</u>	Yes <u>No</u>
Hydric Soils Present?	Yes <u>No</u>	Yes <u>No</u>
Is this Sampling Point Within a Wetland? Yes <u>No</u>		
Remarks:		

Approved by HQUSACE 3/92

SKETCH FORM

Wetland ID/Route #: CW715 A/B	Date: 5/17/06	Time: 12:05
Initials of Delineators: BQ-RJ	Location:	
Roll #: Frames:	photo 1 facing E to flag A-3	



Legend	
Photo Location/Direction	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>BE</i>	Date: <i>7-20-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1022-A-551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>60</i>	Shrub: <i>30</i>	Herb: <i>60</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9. <i>Tall buttercup</i>	T/H	FAC+
2. <i>Betula populifolia</i>	T	FAC	10. <i>Viburnum cassinoides</i>	FAC/H	FACU
3. <i>Corylus cornuta</i>	SH	FACU	11. <i>Strawberry</i>	FAC/H	FACU
4. <i>Quercus rubra</i>	T	FAC	12.		
5. <i>Cornus amomum</i>	SH	FACU	13.		
6. <i>Solidago</i> sp.	H		14.		
7. <i>Epipactis</i> sp.	H	assumed	15.		
8. <i>Carex flaccida</i>	H	OBC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks:					

HYDROLOGY

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

Date: 7-20-06
 Community ID: wetland
 Plot ID: IC 1022 A-551

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/1	7.5YR 3/3	75%	sandy loam
10-16"	Bw	2.5Y 9/2	10YR 5/6	75%	sandy loam

Hydro Soil Indicators

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

Remarks: extremely stony @ 16"

WETLAND DETERMINATION

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

Remarks: Fil → NW

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BQE</i>	Date: <i>7-20-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wpland</i> Transect ID: Plot ID: <i>IC 1022-A-552</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>75</i>	Shrub: <i>10</i>	Herb: <i>5</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>N. W. Cedar (T. occidentalis)</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>Betula populifolia</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>Canada mayflower</i>	<i>H</i>	<i>FAC-</i>	12.		
5. <i>Corylus cornuta</i>	<i>SH</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>60%</i>					
Remarks:					

HYDROLOGY

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

Date: 7-20-06
 Community ID:
 Plot ID: IC 1022-A-992

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	None	-	Sandy loam
8-12	B _{wt}	10YR 3/3	None	-	↓
12-16	B _{w2}	2.5Y 6/4	None	-	

Hydro Soil Indicators

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

Remarks:
 extremely stony @ 12-16"

WETLAND DETERMINATION

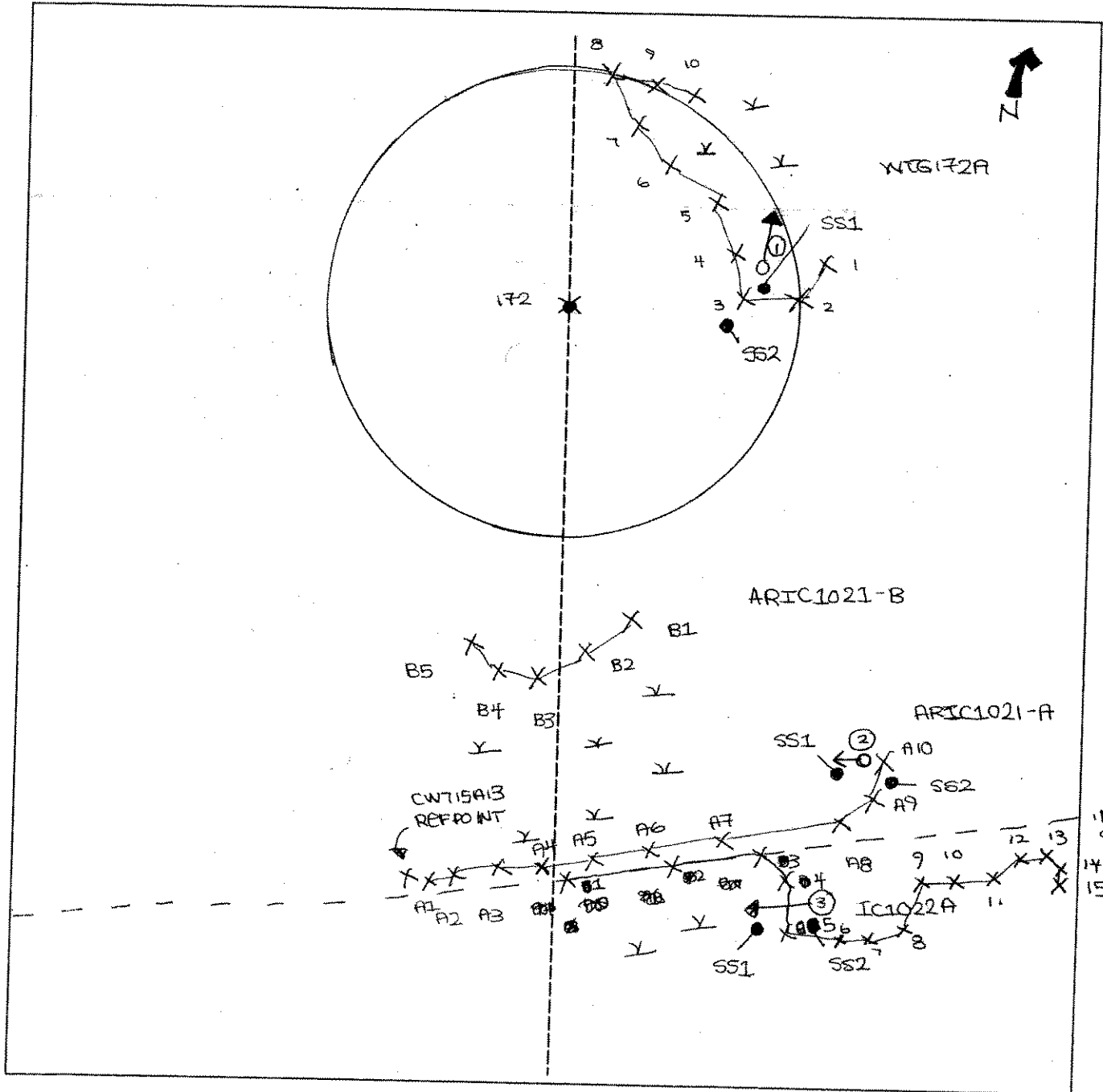
Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric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

Remarks

ARIC1022A SKETCH FORM

Wetland ID/Route #: WGS172A ARIC1021 A/B		Date: 7/20/07	Time:
Initials of Delineators: BG / SC		Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 1 → NORTH // PHOTO 2 FACING WEST // PHOTO 3 FACING WEST		

FACING WEST



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/2/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">* <input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> NO</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> NO</td> </tr> </table>	* <input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> NO	Yes	<input checked="" type="radio"/> NO
* <input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> NO						
Yes	<input checked="" type="radio"/> NO						
Community ID: Transect ID: Plot ID: CW 715 C SSI							

and SS 2

VEGETATION

Plant Community Classification: PFO1/4 / PEM						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Betula populifolia	PFO 1/4	FAC	9.			
2. Acer rubrum	↓	FAC	10.			
3. Abies balsamiae	↓	FAC	11.			
4.			12.			
5. Eupatorium maculatus	PEM	FACW	13.			
6. Scirpus cyperinus	↓	FACW	14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):						
Remarks: Representative Plot Wetland is similar to CW 715 B SSI + SS 2						

HYDROLOGY

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

Date: 8/2/06
 Community ID:
 Plot ID: CW 715 C SSI + SS2

SOILS

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

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

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

Remarks: Soils similar to CW 715 B SSI + SS2

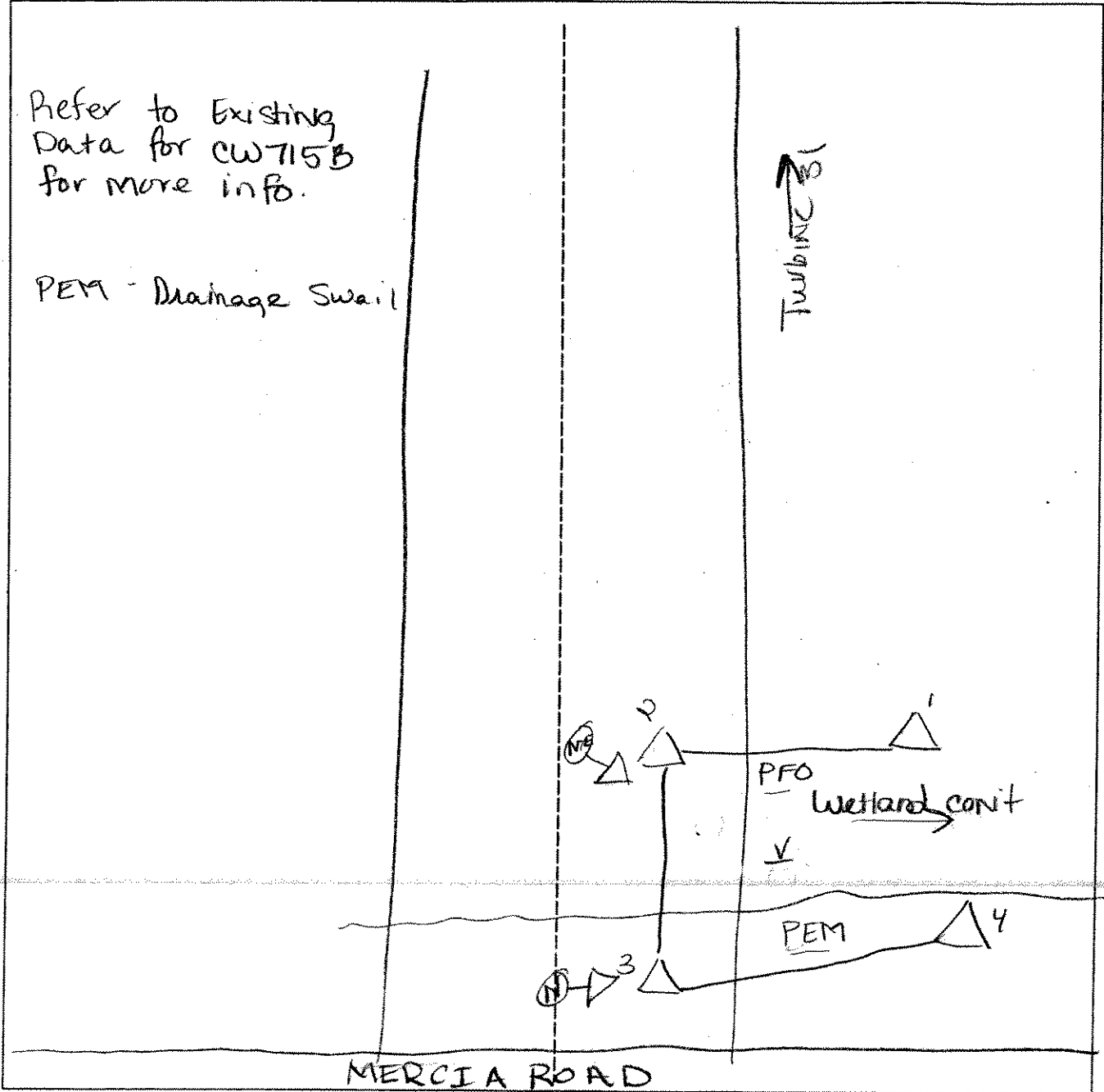
WETLAND DETERMINATION

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

Remarks: UPL plot similar to CW 715 B SS2
 Photo 29 - PEM to NW; PEM is more of a swale w/ stagnant water
 30 - PFO 1/4 to N

SKETCH FORM

Wetland ID/Route #: CW715C	Date: 8-2-06	Time:
Initials of Delineators: SM JV	Location: IC/AR to turbine 31 from Mercia Rd.	
Roll #:	Frames: PEM 7 N	PFO => NE



Legend

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

→ N

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

20-15-06
 Marble River

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator:	Date: 5-21-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) RJD JV	Community ID: Wetland Transect ID: Plot ID: JCB29A-551 CW

VEGETATION

Plant Community Classification: **PFO4**
 Percent Canopy Cover: Tree: **90%**, Shrub: **4%**, Herb: **6%**, Vine: **0%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. N. White Cedar	T/S	OBL	9. Sensitive Fern	H	FACW
2. B. Fir	T/S	FAC	10. Interrupted Fern	H	FAC
3. R. Maple	T/S	FAC	11. Sph Moss	H	OBLV
4. G. Birch	T	FAC	12. Cauliseta	H	OBL
5. Yellow Birch	T	FAC	13. Carex sp. (2)	H	—
6. D. Aspen	T	FACW	14. Marsh Marigold	H	OBL
7. M. Sweet	S	FACW	15. Sweet Flag	H	OBL
8. S. Alder	S	FACW+	16. Un-identified Herb	H	—

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): **94%**

Remarks: **Black Willow observed within site.**
*** 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 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 checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 6" Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	Remarks: wetland = not listed

Date: 5-2-06
 Community ID: Wetland
 Plot ID: TIC 829A-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.
-12 2-24	0	10YR-2/1			peat/organics
	0	5YR-4/1			
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: Photo # 4 => SW			

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

90-157
 027-4258-57

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD IV</u>	Date: <u>5-21-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>JL029A-552</u>

VEGETATION

CW

Plant Community Classification: Open fill area
 Percent Canopy Cover: Tree: 0 Shrub: 5% Herb: 95% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>H.B. P.K. Fern</u>	<u>S</u>	<u>UPL</u>	9. <u>Cow Vetch</u>	<u>H</u>	<u>UPL</u>
2. <u>Pur. Dock</u>	<u>H</u>	<u>UPL</u>	10. <u>R. Arns Lace</u>	<u>H</u>	<u>UPL</u>
3. <u>Common Plantain</u>	<u>H</u>	<u>FACU</u>	11. <u>Late Winter Cress</u>	<u>H</u>	<u>FACU</u>
4. <u>Common Dandelion</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>	13.		
6. <u>W. Clover</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Grasses SP.</u>	<u>H</u>	<u>—</u>	15.		
8. <u>Yarrow</u>	<u>H</u>	<u>FACU</u>	16.		

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

Remarks:

HYDROLOGY

<p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ___ No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: Primary Indicators: <u>11: Inundated</u> ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> <input checked="" type="checkbox"/> Depth to Saturated Soil (in.): <u>N/A</u></p>	
<p>Remarks:</p>	

Date: 5-21-06
 Community ID: Upland
 Plot ID: IC 829A-582

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-4/2			Sandy Clay loam

Hydro Soil Indicators

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

Remarks:
 Removal @ 10" - Fill material

WETLAND DETERMINATION

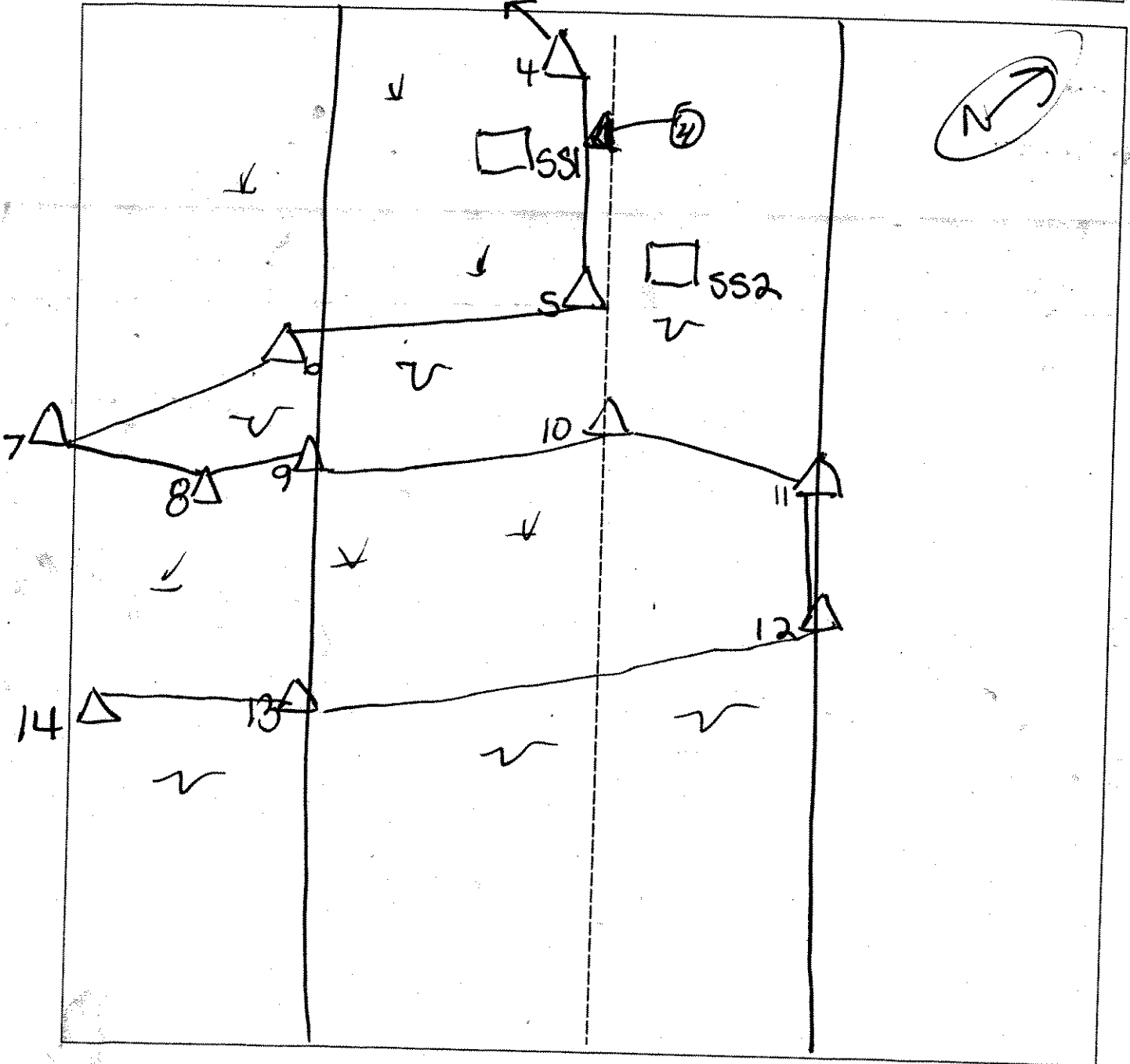
Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric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

Remarks

CW

SKETCH FORM

Wetland ID/Route #: IC829A		Date: 5.21.06	Time:
Initials of Delineators: RJD JV		Location: Crane Walk to WTC-83+42	
Roll #:	Frames:	4 => SW	



Legend

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

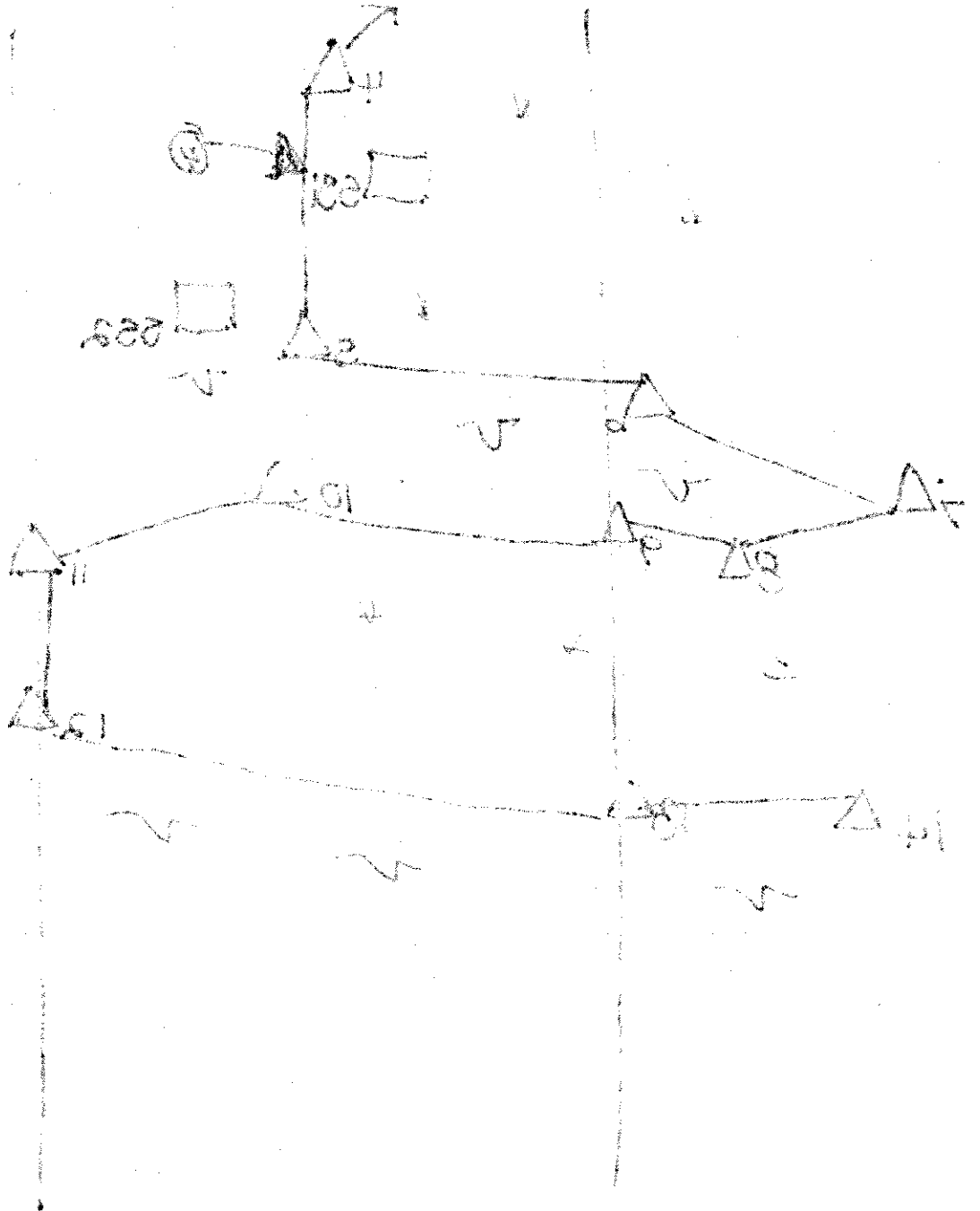
2.21.00

100000

RS 20

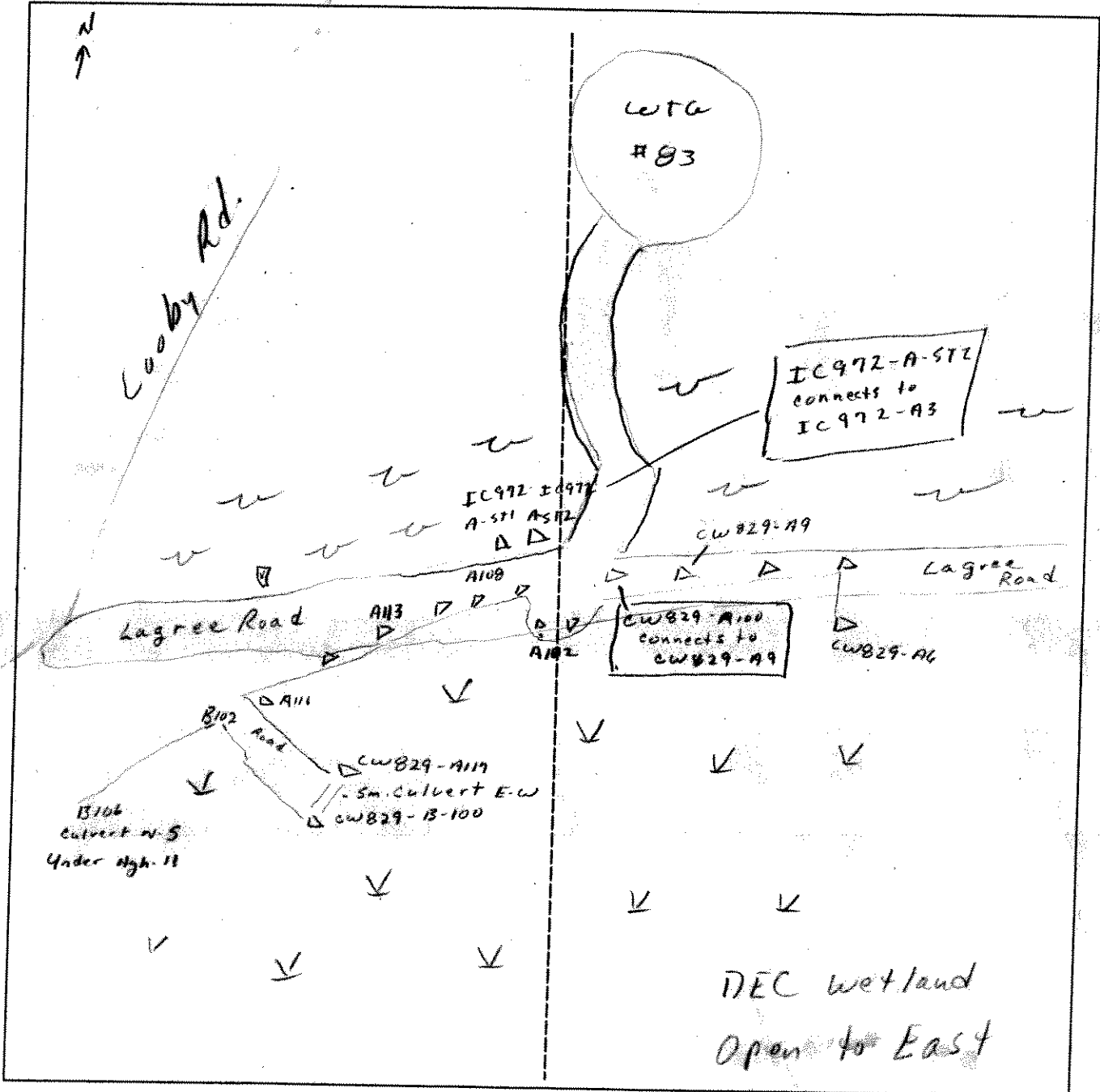
(Scale 1:10000)

N = 32m



SKETCH FORM

Wetland ID/Route #: CW829	Date: 9/13/06	Time: 12:00pm
Intials of Delineators: DR/JV	Location: Lagree Road East to WTA #83	
Roll #:	Frames:	



Legend

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