

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KA, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>		
Do Normal Circumstances exist on the site? 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> Community ID: <i>wetland</i> Transect ID: Plot ID: <i>M609A-551</i>	<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		

VEGETATION

Plant Community Classification: <i>PSS/PP04</i> Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>90</i> Herb: <i>90</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>			
2. <i>Acorn Hickory</i>	<i>T</i>	<i>FAC</i>			
3. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>			
4. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>			
5. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>			
6. <i>Nanny Berry</i>	<i>H</i>	<i>FAC</i>			
7.					
8.					
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>* NOT listed, Assume OBL</i>					

HYDROLOGY

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

SOILS

ID: AR 609A-SS1

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-12	O/A	10YR-2/1			Humcky Peat

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes No		(Circle)	
Wetlands Hydrology Present?	Yes No			
Hydric Soils Present?	Yes No			
			(Circle)	
				Yes No
				Yes No

Remarks: pit # 1 looks NE at SS1

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon and Aoner LLC</i> Investigator: <i>ISA, TV</i>	Date: <i>5/4/06</i> County: <i>Chatham</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR609A-SS2</i>

VEGETATION

Plant Community Classification: <i>Conifer deciduous mix forest</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>25</i> Herb: <i>10</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsalm Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Nanny Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Balsalm Fir</i>	<i>IT</i>	<i>FAC</i>	12.		
5. <i>Nanny Berry</i>	<i>IT</i>	<i>FAC</i>	13.		
6. <i>low bush blueberry</i>	<i>IT</i>	<i>FACU</i>	14.		
7. <i>Bracken Fern</i>	<i>IT</i>	<i>FACU</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>transitional area, evidence of past logging</i>					

HYDROLOGY

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

SOILS

AR609A-SS2

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			organic material
1-6	A	7.5YR-4/2			Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <p style="text-align: center;">refusal of auger at 6 inches</p>					

WETLAND DETERMINATION

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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KA, JV</i>	Date: <i>5/1/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 629B-SSJ</i>

VEGETATION

Plant Community Classification: <i>PFO 4 / PSS</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>75</i> Herb: <i>20</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Spruce</i>	<i>T</i>	<i>FACW</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Hairy Berry</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Wet Sphagnum</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>Sloops Laurel</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Northern Sweet</i>	<i>S</i>	<i>FAC+</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

SOILS

AR609B-SS1

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

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	(Circle)
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks		
pit # 2 looks S from upland		

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Land LLC</i> Investigator: <i>KIA, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>upland</i> Transect ID: Plot ID: <i>AR604B-552</i>

VEGETATION

Plant Community Classification: *Comita/deciduous mix forest*
 Percent Canopy Cover: Tree: *25* Shrub: *20* Herb: *50* Vine: *—*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Spruce</i>	<i>T</i>	<i>FACU</i>	9.		
2. <i>Acer thibetum</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>Wormy Berry</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Wormy Berry</i>	<i>H</i>	<i>FAC</i>	13.		
6. <i>Low Bush Blueberry</i>	<i>H</i>	<i>FACU-</i>	14.		
7. <i>Wintersgreen</i>	<i>H</i>	<i>FACU</i>	15.		
8. <i>Blackberry</i>	<i>H</i>	<i>FACU</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):
 Remarks: *recently logged / disturbed area*

HYDROLOGY

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

SOILS

ID: *AR609 B-SSQ*

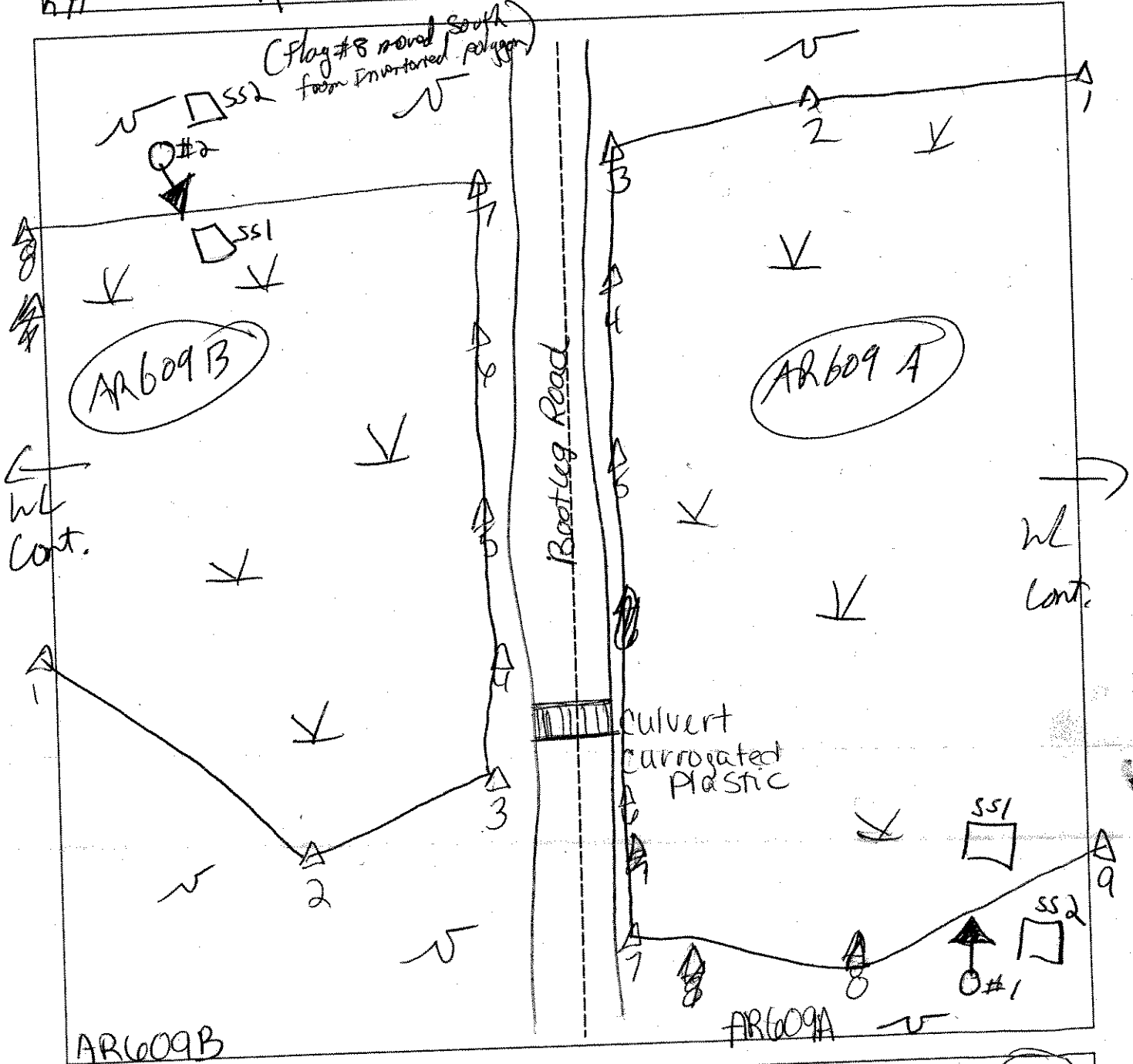
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
<i>0-1</i>	<i>O</i>	<i>10YR-2/1</i>			<i>organic material</i>
<i>1-6</i>	<i>A</i>	<i>7.5YR-5/8</i>			<i>sand loam</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>refusal of auger at 6 inches</i>					

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: AR 609 A/B	Date: 5/14/06	Time:
Initials of Delineators: KH, JV	Location: Boatleg Rd	
Roll #: 6H	Frames: 1, 2	



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

AR609AB extension

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AB</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PSS</u> Transect ID: Plot ID: <u>AR 609 AB 551</u> <u>AR 611 AB</u>

VEGETATION

Plant Community Classification: _____
 Percent Canopy Cover: Tree: 0 Shrub: 80 Herb: 20 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Sparganium angustifolium</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Sagittaria</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Rod. Mamm. cornus</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Abies rugosa</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>Sphagnum</u> <u>>50%</u>	<u>H</u>	<u>OBL</u>	15.		
8			16.		

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

Remarks:

HYDROLOGY

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

Date: 5/9/07
 Community ID: PSS
 Plot ID: (09AB 85)

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	D	7.5 YR 2.5/1			
1-3	A	10 YR 2/1			
3-12	B	10 YR 6/1	10 YR 5/3	faint, sparse, common	silt loam sandy clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks DEC WL

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>VV</u>	Date: <u>9 May 07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland 552</u> Transect ID: <u>AR610AB</u> Plot ID: <u>AR609AB</u>

VEGETATION

Plant Community Classification: <u>Early successional</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>30</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Populus grandifolia</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Solidago latifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>>50%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/9/07
 Community ID: Upland
 Plot ID: AR610 AB 552
 AR609AB

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4		10YR 2/1			
4-15	A	7.5YR 4/6			
15-18	B	10YR 4/6	2.5YR 2/3	pyom., sparse, few	silty clay / oam clay / oam

Hydro Soil Indicators

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

Remarks: organic streaking in A-B. unable to determine ORCs, present due to soil color

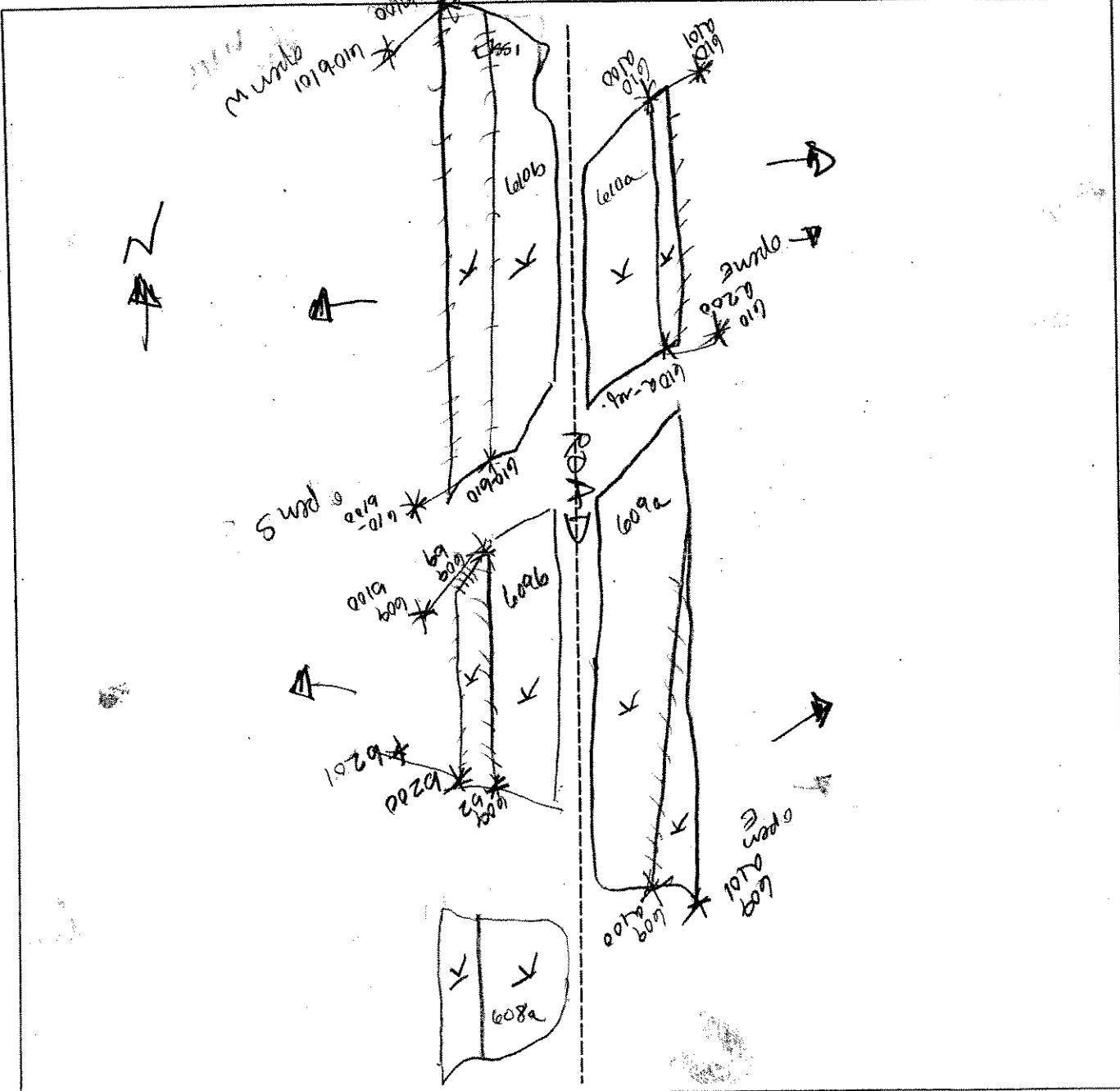
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: 600a, 600b, 609a, 609b, 608a	EXTENSION Date: <i>9 May 07</i> Time:
Initials of Delineators: <i>JV AP</i>	Location:
Roll #: Frames:	



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

20-10-2
A0122A
122

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

Project Site: <u>MAIZE RIVER</u> Applicant/Owner: <u>MALDIC RIVER, LLC</u> Investigator: <u>RAJ DO</u>	Date: <u>5/4/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WERNM</u> Transect ID: <u>ARB10A</u> Plot ID: <u>551</u>

VEGETATION

PSS/PEM

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>40%</u>	Shrub: <u>60%</u>	Herb: <u>75%</u>	Vine: <u>X</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T1S</u>	<u>FAC</u>	9.		
2. <u>B. Fir</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>PAWA-BERRY</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Silky willow</u>	<u>S</u>	<u>OBL</u>	12.		
5. <u>MEDUSA SWEET</u>	<u>S</u>	<u>FAC+</u>	13.		
6. <u>SHEEP LAUREL</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>WINTER GREEN</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>SPHAG NUM</u>	<u>H</u>	<u>OBL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>45%</u> 75%					
Remarks:					

HYDROLOGY

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

Date: 5-04-06
 Community ID: AR610A
 Plot ID: ~~552~~ 551

SOILS

Map Unit Name (Series and Phase):
 Taxonomy (Sub Group):

Drainage Class:
 Field Observations:
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10yr 2/1			Organics
2-8	A	10yr 4/1			silty clay loam

Hydro Soil Indicators

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

Remarks:
 Refusal at 8"

WETLAND DETERMINATION

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

20-10-2
A0129A
SS2

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>LSD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>ARG10A</u> Plot ID: <u>SS2</u>

VEGETATION Recently logged Upland Decid Forest

Plant Community Classification:
Percent Canopy Cover: Tree: 45% Shrub: 50% Herb: 50% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T1</u>	<u>FAC</u>	9. <u>Sp. 10</u>	<u>S</u>	<u>S</u>
2. <u>Gray Birch</u>	<u>T1</u>	<u>FAC</u>	10.		
3. <u>Northern Red Oak</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Sheep Laurel</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Wintergreen</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Club moss</u>	<u>H</u>	<u>-</u>	14.		
7. <u>moss sp.</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80-1

Remarks:

HYDROLOGY

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

Date: 5-04-06
 Community ID: A2610A
 Plot ID: 552

SOILS 20-00-2

Map Unit Name: *net 1113*
 (Series and Phase): *Y4*
 Taxonomy (Subgroup): *552*

Drainage Class: *Normal*
 Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	5 yr 4/6			Silt Loam
6-8	B	10 yr 6/2			Sandy clay loam

Hydro Soil Indicators

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

Remarks: refusal of Auger @ 8 inches

WETLAND DETERMINATION

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

Remarks: *2.90 S 1000 0100 1000*

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RJD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR610B</u> Plot ID: <u>SSI</u>

VEGETATION

Plant Community Classification: <u>PSS/PEM</u>					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Grey Birch	S	FAC	9. Canada Rush	H	OBL
2. Meadow Sweet	S	FACW+	10.		
3. Silky Willow	S	OBL	11.		
4. Carex Sp.	H	—	12.		
5. Carex lurida	H	OBL	13.		
6. Sphagnum Moss	H	OBL*	14.		
7. Sheep Loret	S	FAC	15.		
8 J. Effusus	H	FACW+	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>160%</u>					
Remarks: <u>* Not listed; presumed OBL</u>					

HYDROLOGY

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

Date: 5-04-06
 Community ID: ARG10B
 Plot ID: SS1

Wetland

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	O	5Yr 3/4	—	—	Organics
10-16	A	10Yr 2/1	—	—	Silt loam w/ organics

Hydro Soil Indicators

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

Remarks:

 Refusal at 16"

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>RSD DO</i>	Date: <i>5-04-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: <i>ARG10B</i> Plot ID: <i>SS2</i>

VEGETATION *Upland Forest Deciduous w/ scattered conifers*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>70%</i> Shrub: <i>80%</i> Herb: <i>80%</i> Vine: <i>0%</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grey Birch</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Red Maple</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>Balsm Fir</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>Toothed Aspen</i>	<i>T</i>	<i>FACU</i>	12.		
5. <i>Nana Berry</i>	<i>S</i>	<i>FAC</i>	13.		
6. <i>Sheep Lofel</i>	<i>S</i>	<i>FAC</i>	14.		
7. <i>Club Moss</i>	<i>H</i>	<i>—</i>	15.		
8. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): ~~0~~ *7*

Remarks:

HYDROLOGY

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

Remarks: *Heavy rain for last (2) days 5/2/06 - 5/3/06*

Date: 5-04-06
 Community ID: ARG10B
 Plot ID: SS2
 upland

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD DO	Date: 5-01-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: AR610B Plot ID: 553

VEGETATION PSS / PEM

Plant Community Classification:
Percent Canopy Cover: Tree: 0 Shrub: 60% Herb: 45% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Meadow Sweet	S	FACW+	9.		
2. Red Maple	S	FAC	10.		
3. Sphagnum MOSS	H	OBL	11.		
4. Reed Canary GRASS	H	FACW+	12.		
5. Nana Berry	S	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks:
* Not listed; presumed OBL

HYDROLOGY

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

Date: 5-04-06
 Community ID: AR610B
 Plot ID: SS3

SOILS

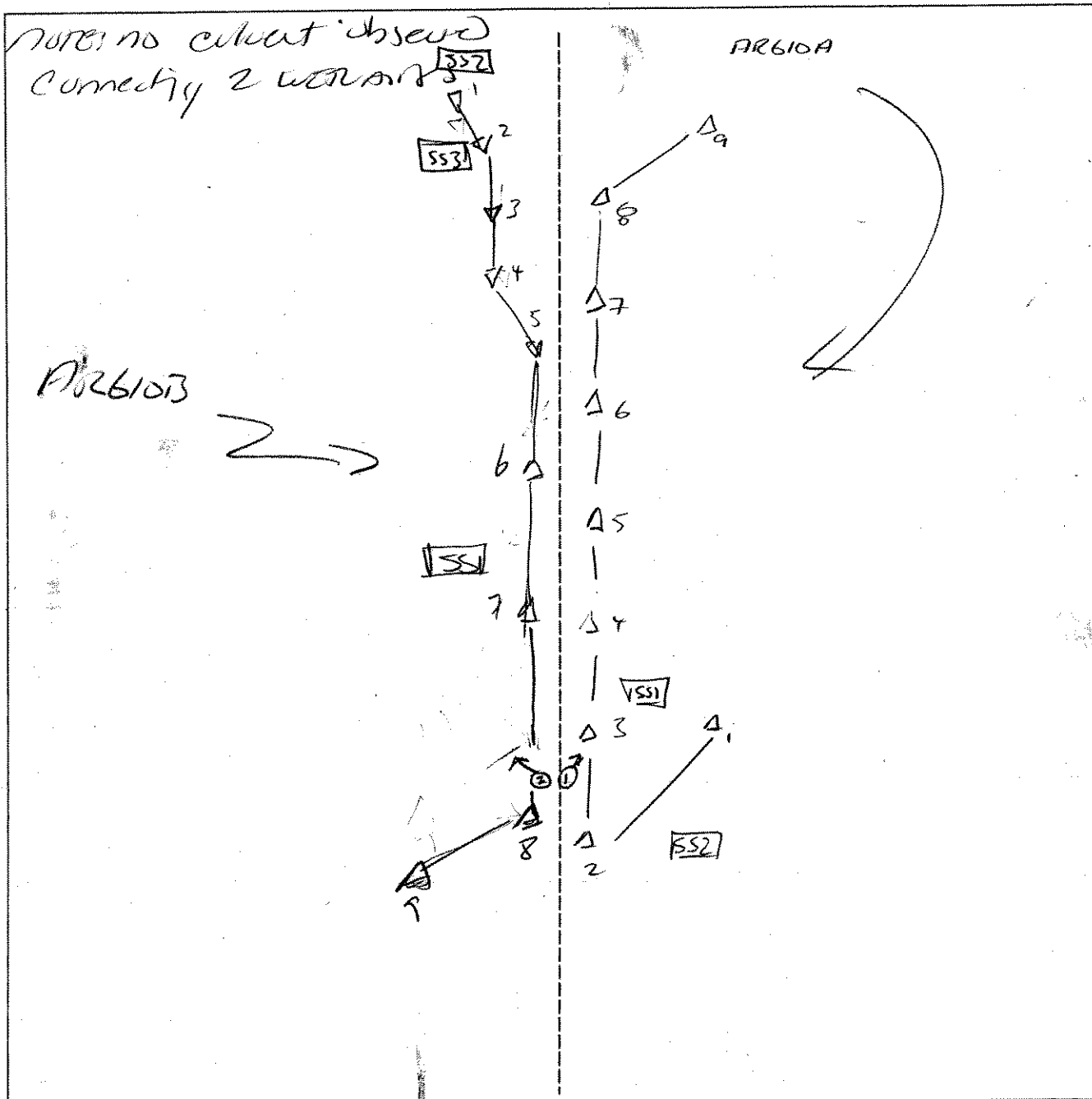
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: <i>BOONEL RD.</i>	Date: <i>5/4/06</i>	Time: <i>0900</i>
Initials of Delineators: <i>RTS DO</i>	Location: <i>AR610</i>	
Roll #:	Frames: <i>photo 1 → NE @ AR610A</i> <i>photo 2 → NW @ AR610B</i>	



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

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

AR610 AB EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JU	Date: 9 May 07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland SSI Transect ID: Plot ID: AR610 AB PFO1

VEGETATION

Plant Community Classification: PFO1, PSS Percent Canopy Cover: Tree: 25-50 Shrub: 30-80 Herb: 30-55 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. PFO1			9.		
2. Red maple	T	FAC	10.		
3. Betula <i>Cornus</i>	T	FAC	11.		
4. <i>Spirea latifolia</i>	S	FAC	12.		
5. <i>Juniperus</i>			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input 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 PSS <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.): 2" + PSS Depth to Free Standing Water in Pit (in.): NA Depth to Saturated Soil (in.): 1"	
Remarks:	

Date: 5/19/07
 Community ID: Wetland
 Plot ID: AR 60 AB SSI

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR 2.5/1			
1-3	A	10YR 2/1			silt loam
3-12	B	10YR 6/1	10YR 5/3	faint, sparse, common	sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: saturated @ 1". no H ₂ O in pit					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: DEC W			
609A-8 = SE		609B-10 = SE	
B 9 = SE		609A-11 = SE	

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>VV</u>	Date: <u>9 May 07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland SS2</u> Transect ID: <u>AR610AB</u> Plot ID: <u>AR609AB</u>

VEGETATION

Plant Community Classification: <u>Early successional</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>30</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>			9.
2. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>			10.
3. <u>Populus grandifolia</u>	<u>T</u>	<u>FACU</u>			11.
4. <u>Spiraea latifolia</u>	<u>S</u>	<u>FAC</u>			12.
5. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>			13.
6.					14.
7.					15.
8.					16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/9/07
 Community ID: Upland
 Plot ID: AR610 AB FSS2
 AR609AB

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			
4-15	A	7.5YR 4/6			Silty clay loam
15-18	B	10YR 4/6	2.5YR 2.5/3	pyom., sparse, few	clay loam

Hydro Soil Indicators

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

Remarks: organic streaking in A-B. unable to determine ORCs. present due to soil color

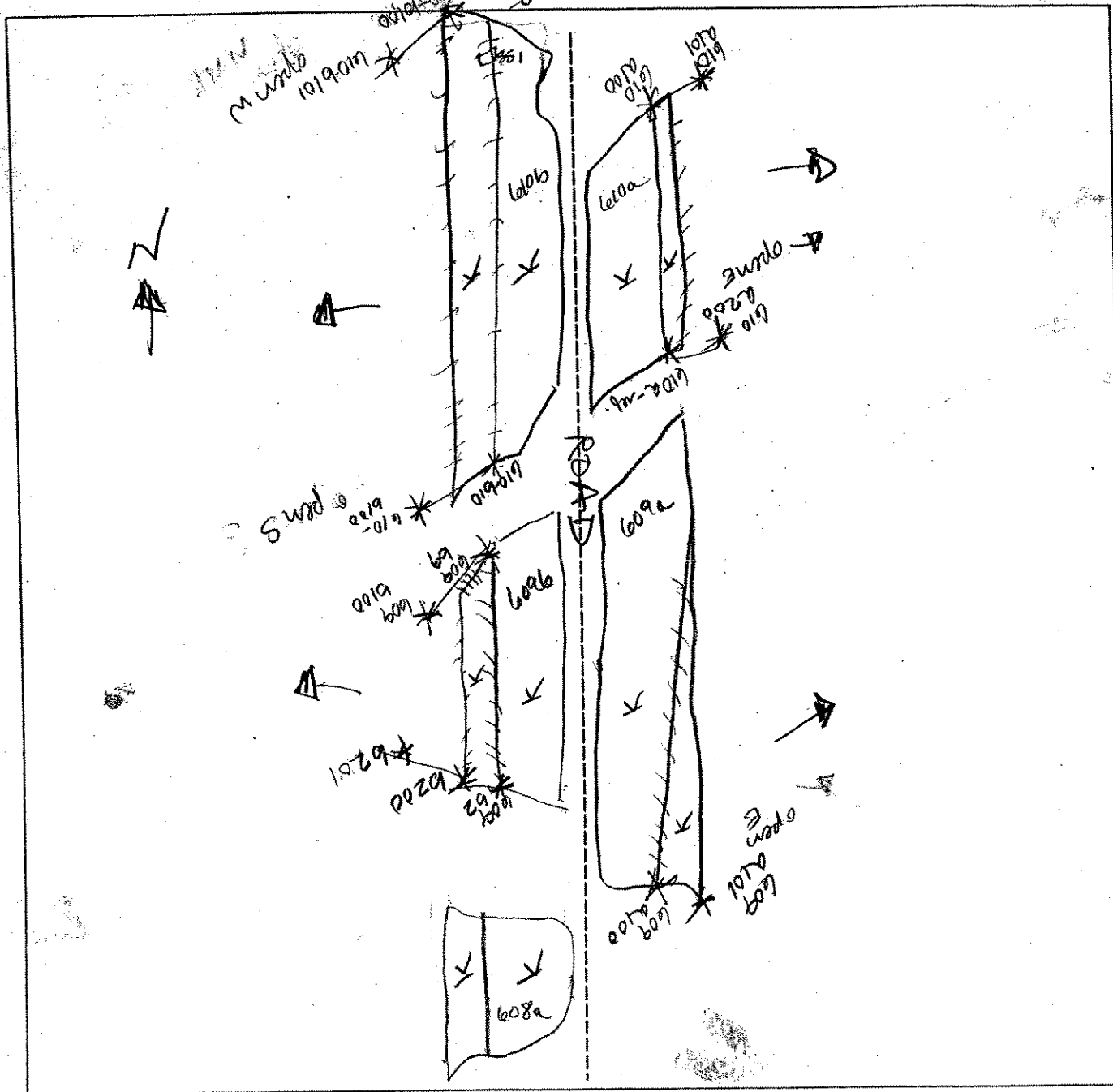
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: <i>610a, 610b, 609a, 609b, 608a</i>	EXTENSION	Date: <i>9 May 07</i>	Time:
Initials of Delineators: <i>JV AP</i>		Location:	
Roll #:	Frames:		



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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon wood zones LLC</i> Investigator: <i>KA, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR611A-SS1</i>

VEGETATION

Plant Community Classification: PFO4 / PFO4 / PEM Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>5</i> Herb: <i>95</i> Vine: <i>—</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsalm Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Alder</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Balsalm Fir</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Nanny Berry</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Club moss sp.</i>	<i>H</i>	FAC	13.		
6. <i>Canada May Flower</i>	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): Remarks: <i>*logged area, very little trees remain in what was a forested wetland.</i>					

HYDROLOGY

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

Date: 5/4/06
 Community ID: wetland
 Plot ID: AR611A-SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR-2/1			Mottles w/ inclusions of peat
5-6	E	2.5Y-5/1	7.5YR-4/6	Common/med./distinct	Sandy loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks: pix #3 loess E at SS1

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

Project Site: <i>Markle River</i> Applicant/Owner: <i>Horizon and Pomer LLC</i> Investigator: <i>1/18, JV</i>	Date: <i>5/4/06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td>No</td> </tr> <tr> <td><input checked="" type="radio"/> Yes</td> <td>No</td> </tr> </table>	Yes	<input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes	No	<input checked="" type="radio"/> Yes	No
Yes	<input checked="" type="radio"/> No						
<input checked="" type="radio"/> Yes	No						
<input checked="" type="radio"/> Yes	No						
Community ID: <i>upland</i> Transect ID: Plot ID: <i>ABR 611A-SS2</i>							

VEGETATION

Plant Community Classification: *Coniferous stand*
Percent Canopy Cover: Tree: *40* Shrub: Herb: Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Balsam Fir</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Canada mayflower</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>Unidentified</i>	<i>H</i>	<i>—</i>	11.		
4. <i>Unidentified tree</i>	<i>T</i>	<i>—</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: ~~*Wetland pit has no plants growing in it.*~~ *Point taken on the rubble pile*

HYDROLOGY

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

Date: 5/4/06
 Community ID: upland
 Plot ID: AR 611A -SS2

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O/A	7.5YR-4/2			Sandy clay loam
2-12	A ₁	7.5YR-4/6			Sandy silt loam
2-18	A ₂	2.5Y-5/3			sand clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: upland plot taken on rubble/dirt pile from construction of roadway near wetland plot.			

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wood Poma LLC</i> Investigator: <i>KH, JV</i>	Date: <i>5/1/06</i> County: <i>Clinton</i> State: <i>MI</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 611A/C 553</i>

VEGETATION

Plant Community Classification: <i>PSS/PFO1</i>					
Percent Canopy Cover:		Tree: <i>20</i>	Shrub: <i>85</i>	Herb: <i>80</i>	Vine: <i>—</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Alder puberula</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Speckled Alder</i>	<i>S</i>	<i>FACW</i>	11.		
4. <i>Mummy Berry</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Meadow Sweet</i>	<i>H</i>	<i>FACW</i>	13.		
6. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	14.		
7. <i>Canada Mayflower</i>	<i>H</i>	<i>FAC</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%.</i>					
Remarks:					
<i>* Not listed; Assume OBL</i>					

HYDROLOGY

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

Date: 5/4/06
 Community ID: wetland
 Plot ID: AR 611 A/C - 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.
0-6	A				Peat-organics

Hydro Soil Indicators

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

Remarks: refusal of auger at 6 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			
<p>- AR 611 A/C change comtype from PPO4 to PSS/PPO1 => 1,100 A long also, so 2 sets of data sheets were collected [pix# 4 100/55 S at 553]</p>			

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5/11/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 011 A/C - 554</u>

VEGETATION

Plant Community Classification: <u>Deciduous/Balsam Fir Mix</u> Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>30</u> Herb: <u>15</u> Vine: <u>-</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Nannyberry</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Nannyberry</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Low Bush blueberry</u>	<u>H</u>	<u>FACU-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>					
Remarks:					

HYDROLOGY

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

Date: 5-4-06
 Community ID: upland
 Plot ID:
 AR 611 A/C S54

SOILS

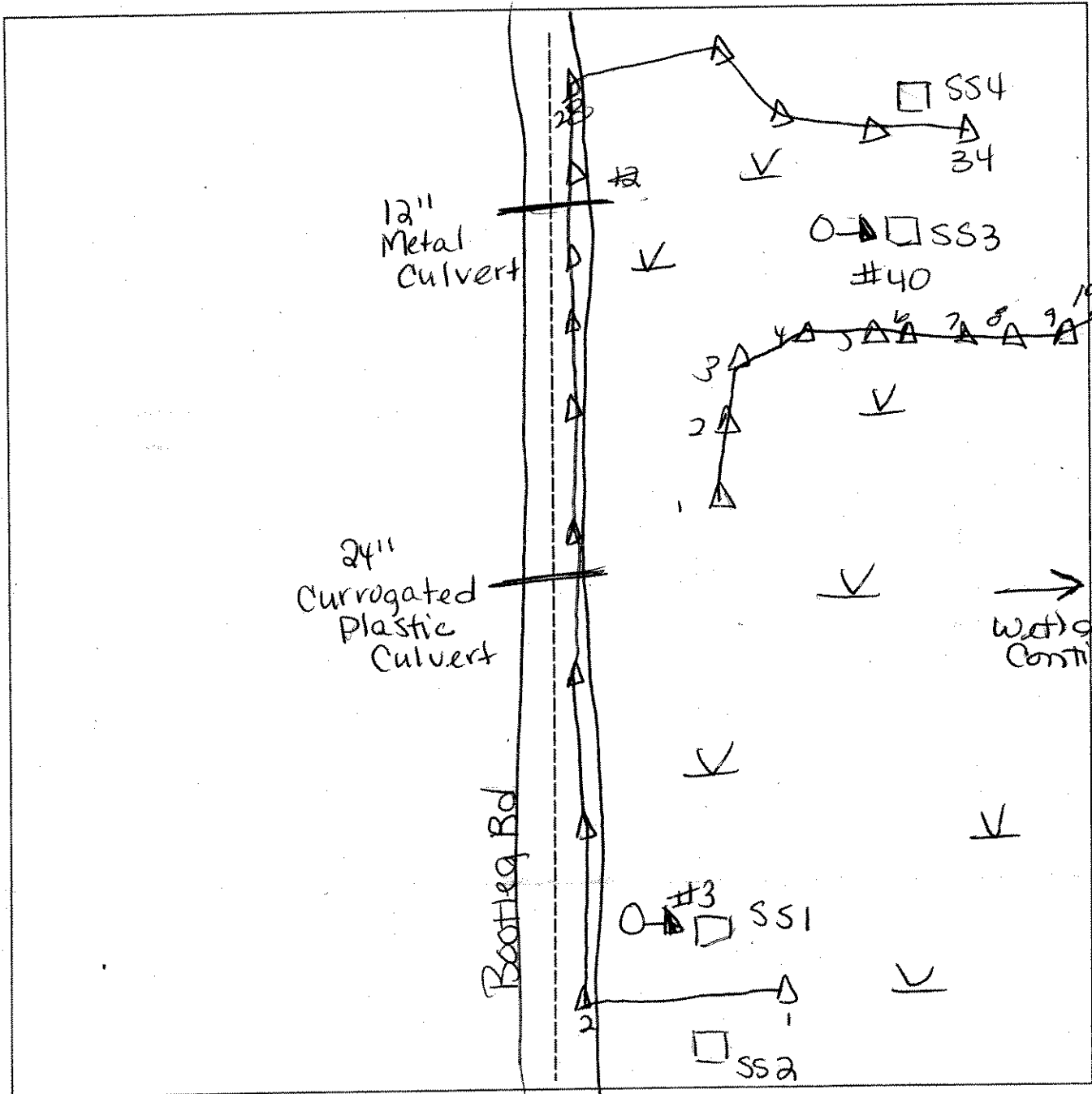
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O/A	10YR-4/3	-	-	Clay Loam
1-16	A _t	10YR-5/6	-	-	Sand Loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

SKETCH FORM

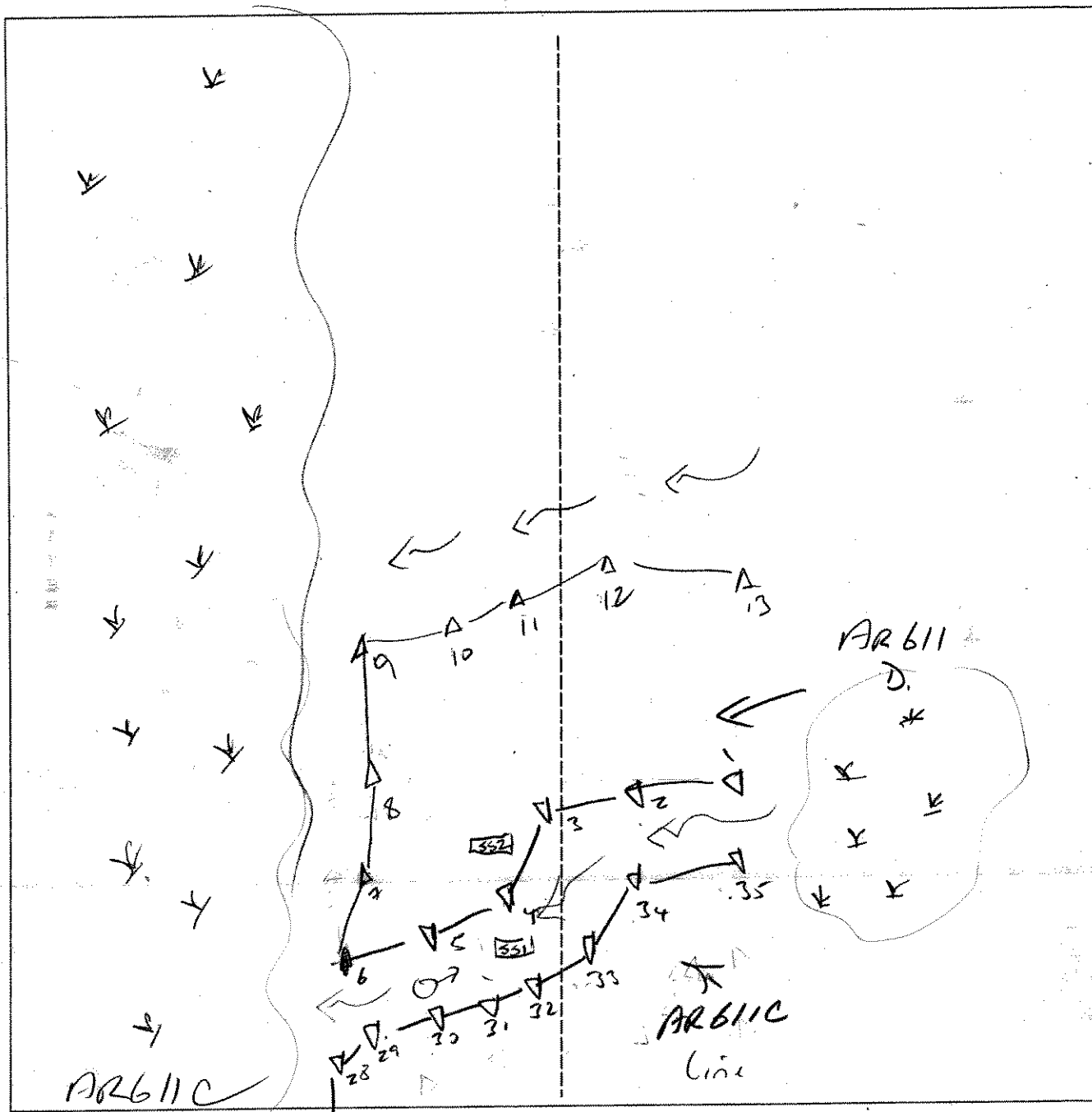
Wetland ID/Route #: AR 611 A/C	Date: 5/4/06	Time:
Initials of Delineators: KH JV	Location: Bootleg Rd	
Roll #: KH	Frames: 3, 4	



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

SKETCH FORM

Wetland ID/Route #: AR 611C	Date: 5-4-06	Time:
Initials of Delineators: RJD, DO	Location: Access road	
Roll #:	Frames: photo 4 & 5 at AR 611D	

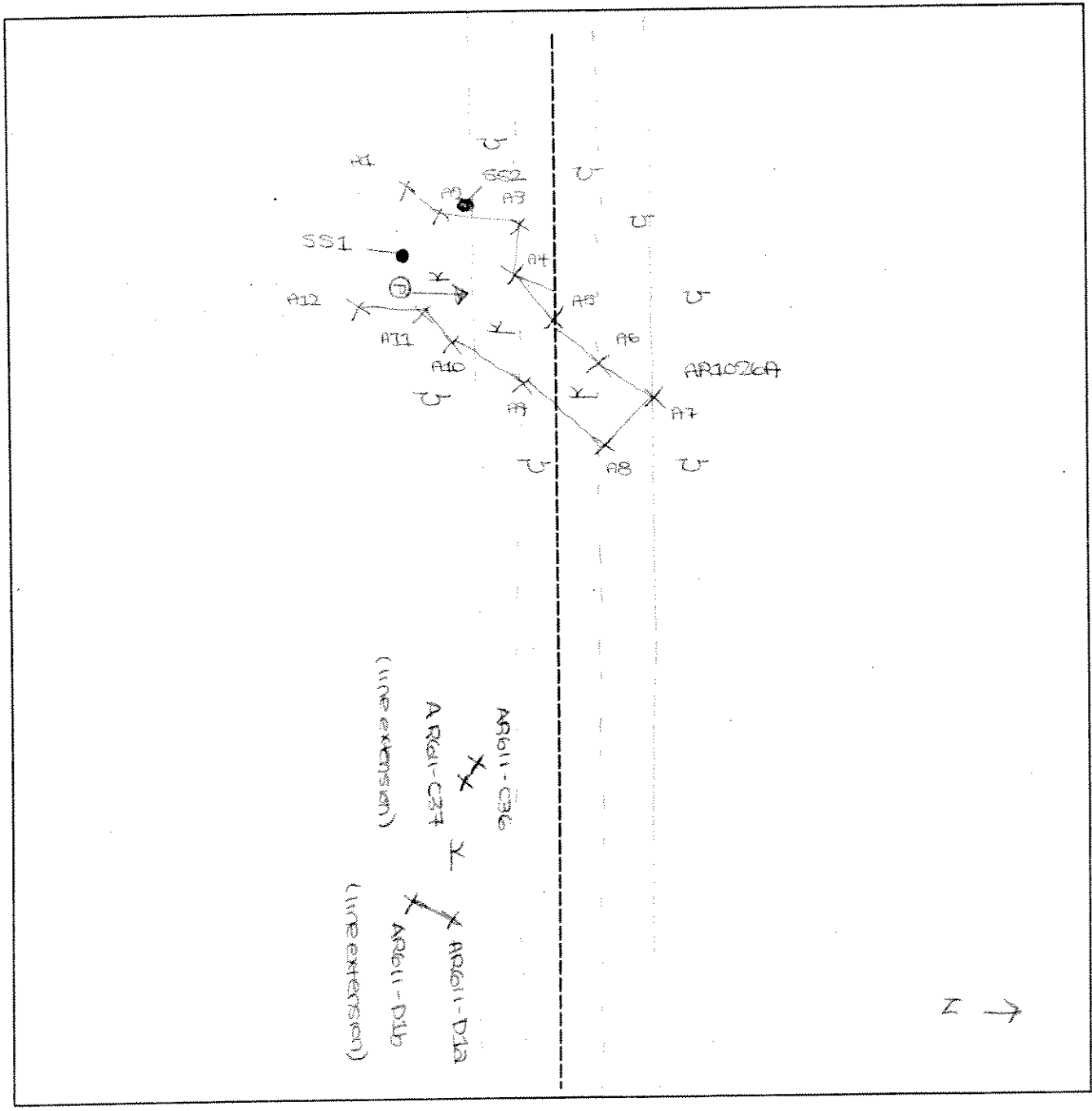


Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

Extended Line C/D

SKETCH FORM

Wetland ID/Route #: AR1026A + AR611	Date: 7/24/06	Time:
Initials of Delineators: BR / SC	Location: HARBLE RIVER	
Roll #: Frames: PHOTO FACING NORTH		



<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: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>RD, DD</u>	Date: <u>5/4/05</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>ARB11D</u> Plot ID: <u>SS1</u>

VEGETATION

PFO - Decid.

Plant Community Classification: Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>65%</u> Herb: <u>20%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Gray Birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>Trembl. Aspen</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	12.		
5. <u>Northern-bay</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Carex sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Club moss</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/4/06
 Community ID: AR611B
 Plot ID: SSI

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10 yr 4/1	-	-	silty clay loam
8-18	B	10 yr 6/1	10 yr 5/8	many/medium/prominent	clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RSD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR611B</u> Plot ID: <u>552</u>

VEGETATION

upland Deciduous Forest

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>40</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Black Cherry</u>	<u>T/S</u>	<u>FACU</u>	11.		
4. <u>Wormy Elm</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Bramble</u>	<u>S</u>	<u>UPL</u>	13.		
6. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>30.1</u>					
Remarks:					

HYDROLOGY

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

Date: 5-04-06
 Community ID: AR611B
 Plot ID: 552

upland

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	7.5 yr 5/6	—	—	clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input 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: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RD, DD</u>	Date: <u>5/4/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR6113</u> Plot ID: <u>-553</u>

VEGETATION

PSS

Plant Community Classification: Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>90%</u> Herb: <u>50%</u> Vine: <input checked="" type="checkbox"/>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>Red maple</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. <u>Spotted Alder</u></td> <td><u>S</u></td> <td><u>FACW+</u></td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. <u>NANA bay</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. <u>B. FIR</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5. <u>meadow sweet</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6. <u>SPRAY m</u></td> <td><u>H</u></td> <td><u>OBL*</u></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	9.			2. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>	10.			3. <u>NANA bay</u>	<u>S</u>	<u>FAC</u>	11.			4. <u>B. FIR</u>	<u>S</u>	<u>FAC</u>	12.			5. <u>meadow sweet</u>	<u>S</u>	<u>FAC</u>	13.			6. <u>SPRAY m</u>	<u>H</u>	<u>OBL*</u>	14.			7.			15.			8.			16.		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator																																																	
1. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	9.																																																			
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3. <u>NANA bay</u>	<u>S</u>	<u>FAC</u>	11.																																																			
4. <u>B. FIR</u>	<u>S</u>	<u>FAC</u>	12.																																																			
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6. <u>SPRAY m</u>	<u>H</u>	<u>OBL*</u>	14.																																																			
7.			15.																																																			
8.			16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>																																																						
Remarks: <u>Gray blotch & BEAK within observed in the</u> <u>parts of wetland * NOT listed; presumed OBL</u>																																																						

HYDROLOGY

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

Date: 5/4/05
 Community ID: wetland
 Plot ID: AR611B-SS3

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	O	5YR 4/4	-	-	ORGANICS
8-18	A	10YR 4/1	50/50		CLAY
		10YR 6/1			

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <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>MARSHIE River</u> Applicant/Owner: <u>MARSHIE River, LLC</u> Investigator: <u>RAJ DO</u>	Date: <u>5/4/06</u> County: <u>Cynth</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: <u>AR6117</u> Plot ID: <u>SS4</u>

VEGETATION upland forest dead conifer mix - logged

Plant Community Classification: _____
 Percent Canopy Cover: Tree: 40% Shrub: 30% Herb: 30% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>W. FIR</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>RED maple</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>ORCHARD</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>WOOD fern</u>	<u>H</u>	<u>-</u>	12.		
5. <u>CLUB moss</u>	<u>H</u>	<u>-</u>	13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks:

HYDROLOGY

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

Remarks:

Date: 5/4/05
 Community ID: Upland
 Plot ID: AR611B-SS4

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	2.5 yr 3/3	—	—	Organics
2-8	A	10 yr 2/1	—	—	Silt Loam
8-14	B	10 yr 5/2	5 yr 4/6	Few/Fine/prominent	Clay

Hydro Soil Indicators

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

Remarks:

* Refusal @ 14"

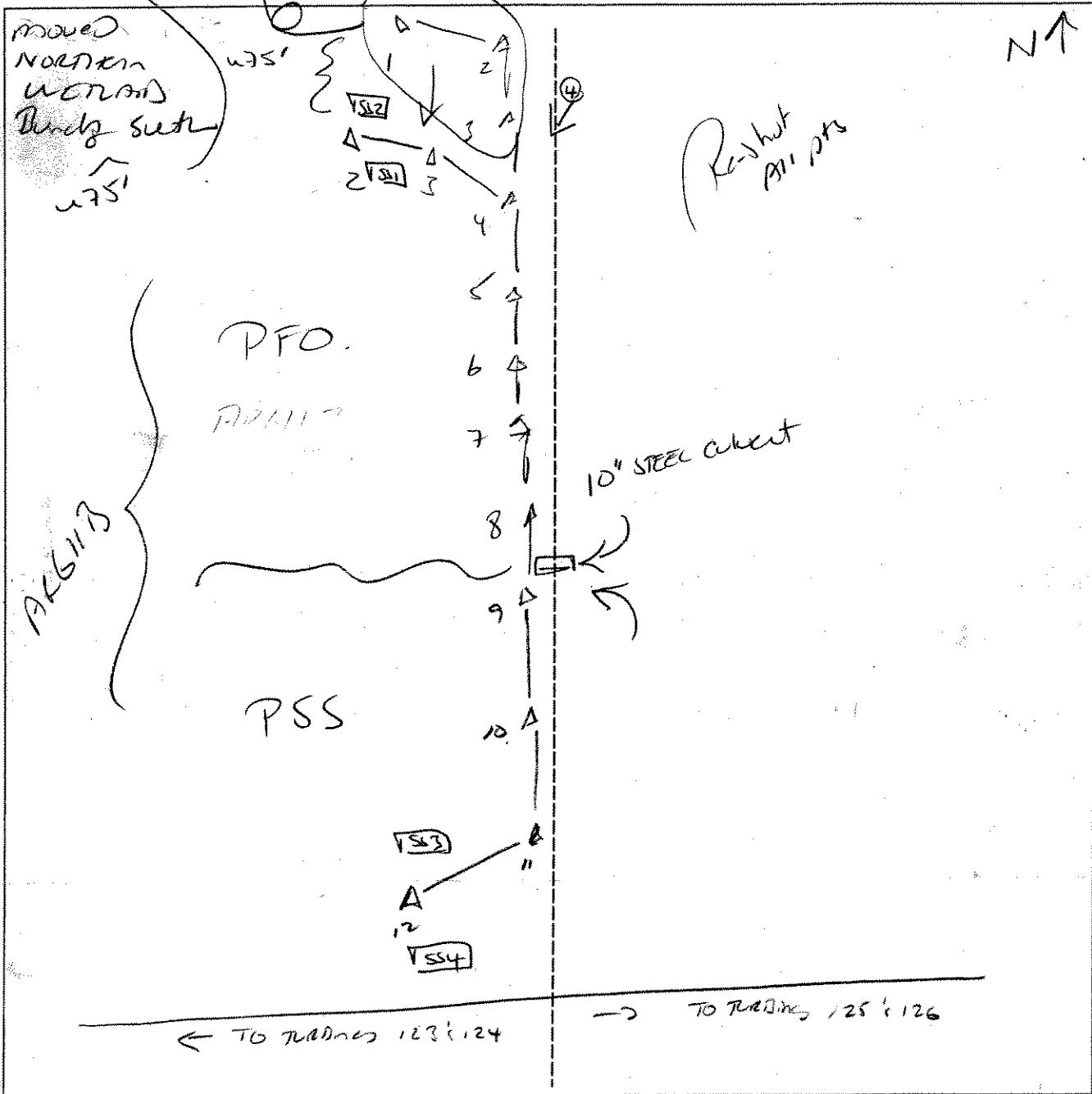
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: <i>Boat leg Rd</i>	Date: <i>5/4/06</i>	Time: <i>1430</i>
Initials of Delineators: <i>DO</i>	Location: <i>AR 611B</i>	
Roll #: _____	Frames: <i>Photo 3 → SW of AR 611B</i>	



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

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

AR611B extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SV AP</i>	Date: <i>5/9/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS</i> Transect ID: Plot ID: <i>AR615 B SSI</i>

AR904 A
AR111 G

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>80</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>B. populifolia</i>	S	FAC	13.		
6. <i>Sphagnum moss</i> <i>200</i>	H	OBL	14.		
7. <i>Melospiranthemum canadense</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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 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>NA</i> Depth to Free Standing Water in Pit (in.): <i>3"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks:	

Date: 5/9/07
 Community ID: PSS
 Plot ID: AR1015A SSI
 AR904A

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
	A	10YR 2/2			silt
	B	10YR 2/1			silt
5-10	C	2.5Y 4/1	5Y 6/2	common, faint, md	clay
10-19	D	5Y 6/2			sandy clay

Soil Indicators

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

Remarks: standing water in pit @ 3", organic streaking in C

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks: DEC WL photo 7 = W			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR1015 A SSA</u>

AR 901A
AR 1011B

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>40</u>	Shrub: <u>40</u>	Herb: <u>65</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Carex subsum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Mourmiliensia sp</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Betula papyrifera</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Carex sp</u>	<u>H</u>	<u>—</u>	12.		
5. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>can not v-d due to season</u>					

HYDROLOGY

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

Date: 5/9/07
 Community ID: UP
 Plot ID: AR015A
 AR004A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	2.5YR 2.5/2			
2-4	A ₁	10YR 2/1			silt loam
4-8	A ₂	10YR 5/2			sandy loam
8-12	B	10YR 3/3			clay loam

Hydro Soil Indicators

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

Remarks: organic streaking in B

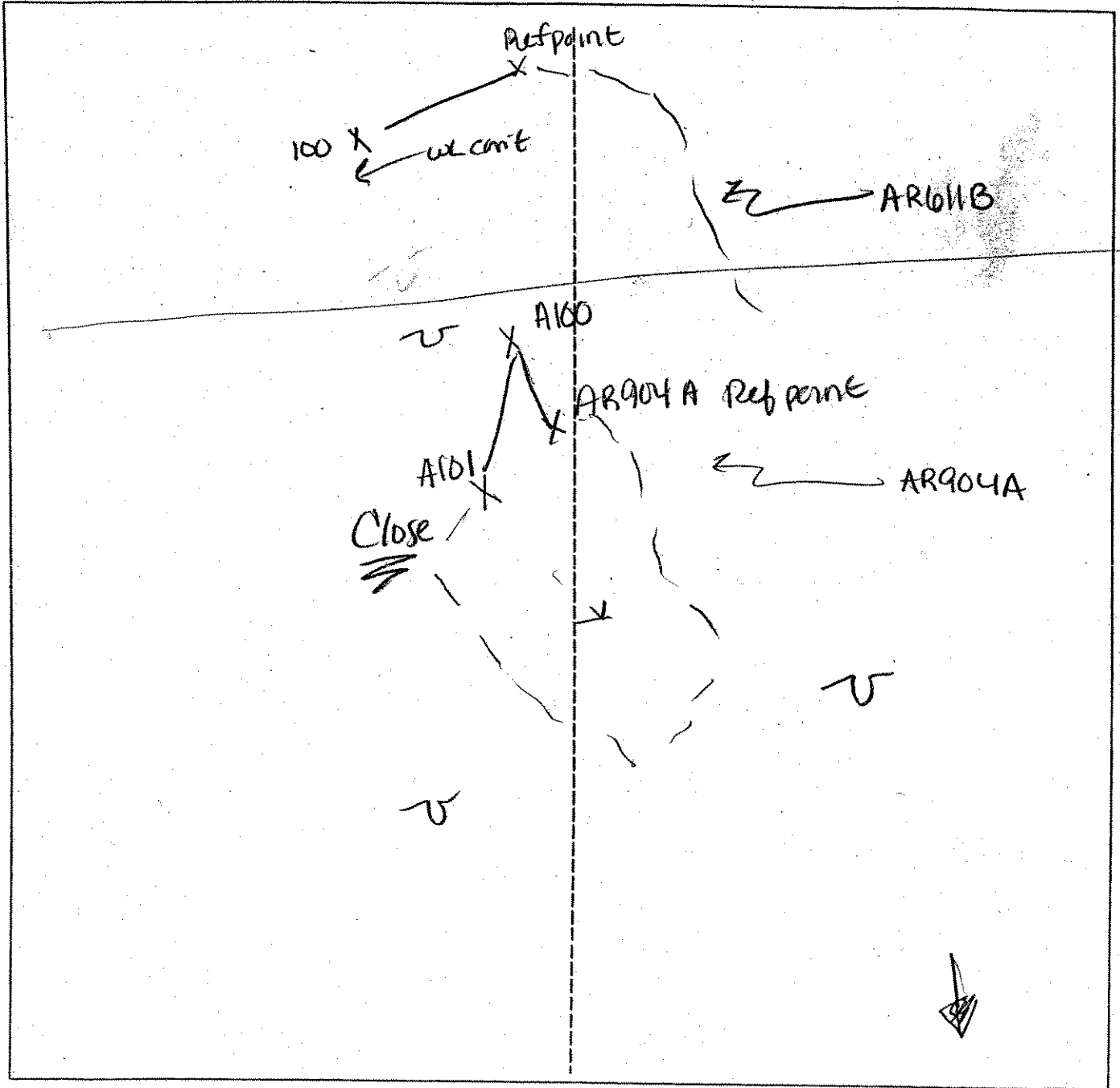
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR904 A <u>AR601B</u>		Date: 5/9/07	Time:
Initials of Delineators: JV AP EXTENSION		Location: FEW of T-182	
Roll #:	Frames:		



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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>RJD DO</i>	Date: <i>5-04-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: <i>ARG11D</i> Plot ID: <i>SS 1</i>

VEGETATION *PFO*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80%</i> Shrub: <i>80%</i> Herb: <i>75%</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red Maple</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Nana Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Club Moss</i>	<i>H</i>	<i>—</i>	12.		
5. <i>Sphagnum Moss</i>	<i>H</i>	<i>OBL*</i>	13.		
6. <i>Lily sp.</i>	<i>H</i>		14.		
7. <i>Canada Pop Flower</i>	<i>H</i>	<i>FAC-</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks: <i>* Not listed; presumed OBL</i>					

HYDROLOGY

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

Date: 5-04-06
 Community ID: AR 611 D
 Plot ID: SS 1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A ₁ /O	10yr 2/1	—	—	Silt loam w/ organics
4-12	A ₂	10yr 4/1	2.5yr 3/6	medium / common / prominent	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: * Refusal at 12"					

WETLAND DETERMINATION

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

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RJD DO</u>	Date: <u>5-04-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR611D</u> Plot ID: <u>SS2</u>

VEGETATION Upland Deciduous Forest (logged)

Plant Community Classification: _____ Percent Canopy Cover: Tree: 40% <u>55%</u> Shrub: <u>40%</u> Herb: 40% <u>60%</u> Vine: <u>0%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Wana Berry</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Unknown shrub</u>	<u>S</u>	<u>-</u>	12.		
5. <u>Clab Moss</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Trout Lily</u>	<u>H</u>	<u>UPL</u> ✓	14.		
7. <u>Wood Fern</u>	<u>H</u>	<u>-</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks: <u>*Not listed; presumed UPL</u>					

HYDROLOGY

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

Date: 5-04-06
 Community ID: ARG110
 Plot ID: SS2

SOILS

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

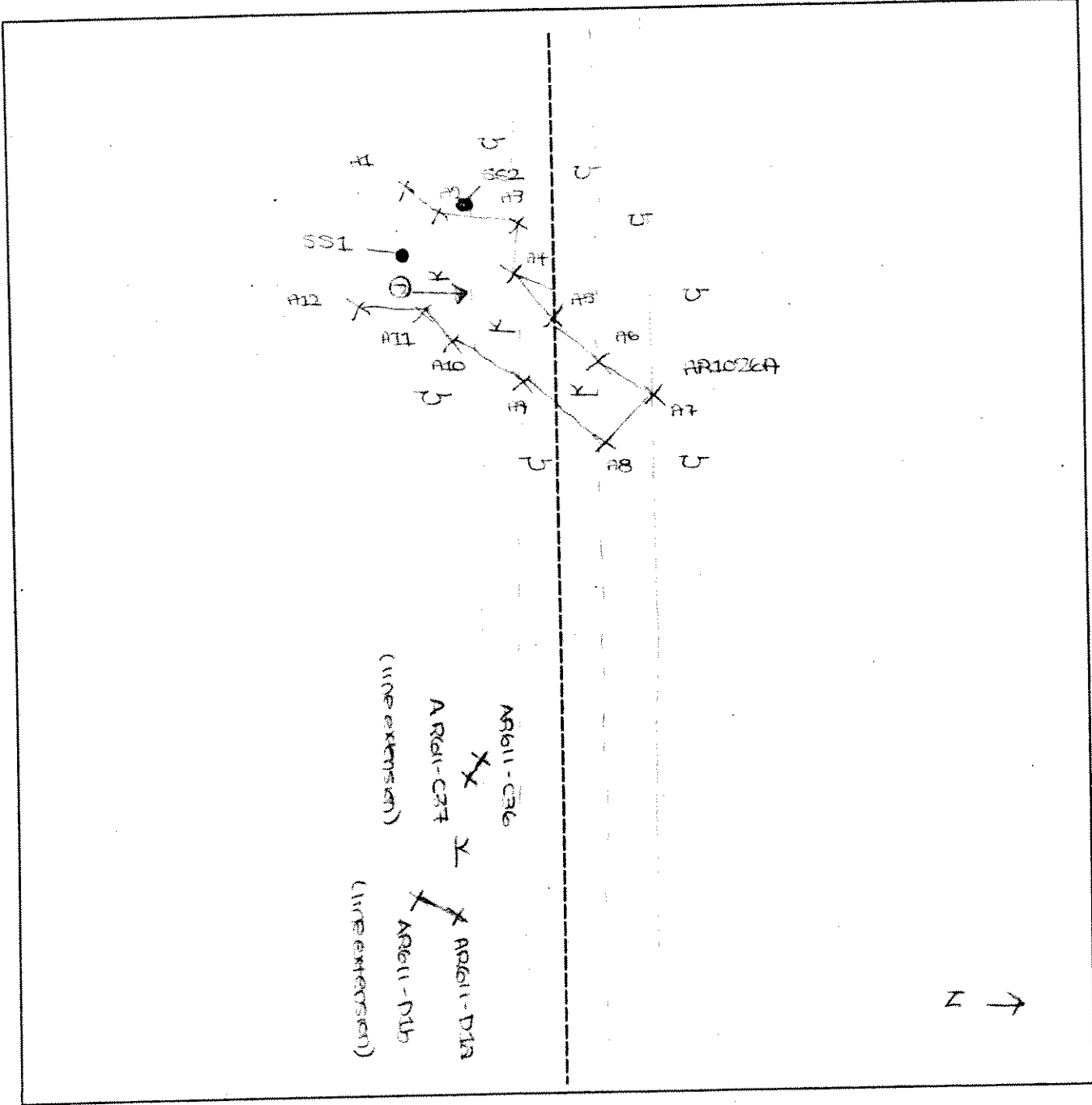
WETLAND DETERMINATION

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

Extended Line C/D

SKETCH FORM

Wetland ID/Route #: AR1026A + AR611	Date: 7/21/06	Time:
Intials of Delineators: RR / SC	Location: HADBLE RIVER	
Roll #: Frames: PHOTO FACING NORTH		



Legend	
○➔	Photo Location/Direction
▭	Sample Station
- - -	Centerline
▽	Flag
X	Wetland
U	Upland
—	Stream
- . .	Intermittent Stream

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

ARG611ABCD EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: AR1028 AB SSI

ARG611ABCD

VEGETATION

Plant Community Classification: *Red maple meadow*
 Percent Canopy Cover: Tree: *40* Shrub: *100* Herb: *75* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus rubra</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>A. rubrum</i>	S	FAC	11.		
4. <i>B. populifolia</i>	S	FAC	12.		
5. <i>Carex</i> sp	H		13.		
6. <i>Sphagnum</i> moss >50%	M	OBL	14.		
7. <i>in situ</i>			15.		
8			16.		

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

Remarks: *Can not id due to season*

HYDROLOGY

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

Date: 5/9/07
 Community ID: PFO1
 Plot ID:

AR1028 AB SSL

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			silt loam
4-12	B	2.5Y 4/2	2.5Y 5/6	prom. few, fine	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: saturated at 0", organic streaking in B					

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetlands Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: PHOTO 10 = N DECU Area has recently been logged. Soils have been disturbed, hydrology altered due to ruts and compaction. Mature trees have been harvested.	
Area is significantly populated by wildlife. Several Bird species observed nesting and foraging.	

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/19/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: UA Transect ID: Plot ID: AR102E AB 882 <div style="text-align: right; border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">AR1011 ABCD EXT</div>

VEGETATION

Plant Community Classification: PFD1 Percent Canopy Cover: Tree: 30 Shrub: 40 Herb: 60 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>A. rubrum</i>	S	FAC	10.		
3. <i>Viburnum lentago</i>	J	FAC	11.		
4. <i>Pteridium aquilinum</i>	H	FACW	12.		
5. <i>Quilthead</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 5/9/07
 Community ID: UPL
 Plot ID: AR1028 AB 550

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	2.5YR 2.5/3			
1-3	O	10YR 2/1			silt
3-12	A	5Y 5/2	10YR 5/6	prom., few, fine	clay

Hydro Soil Indicators

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

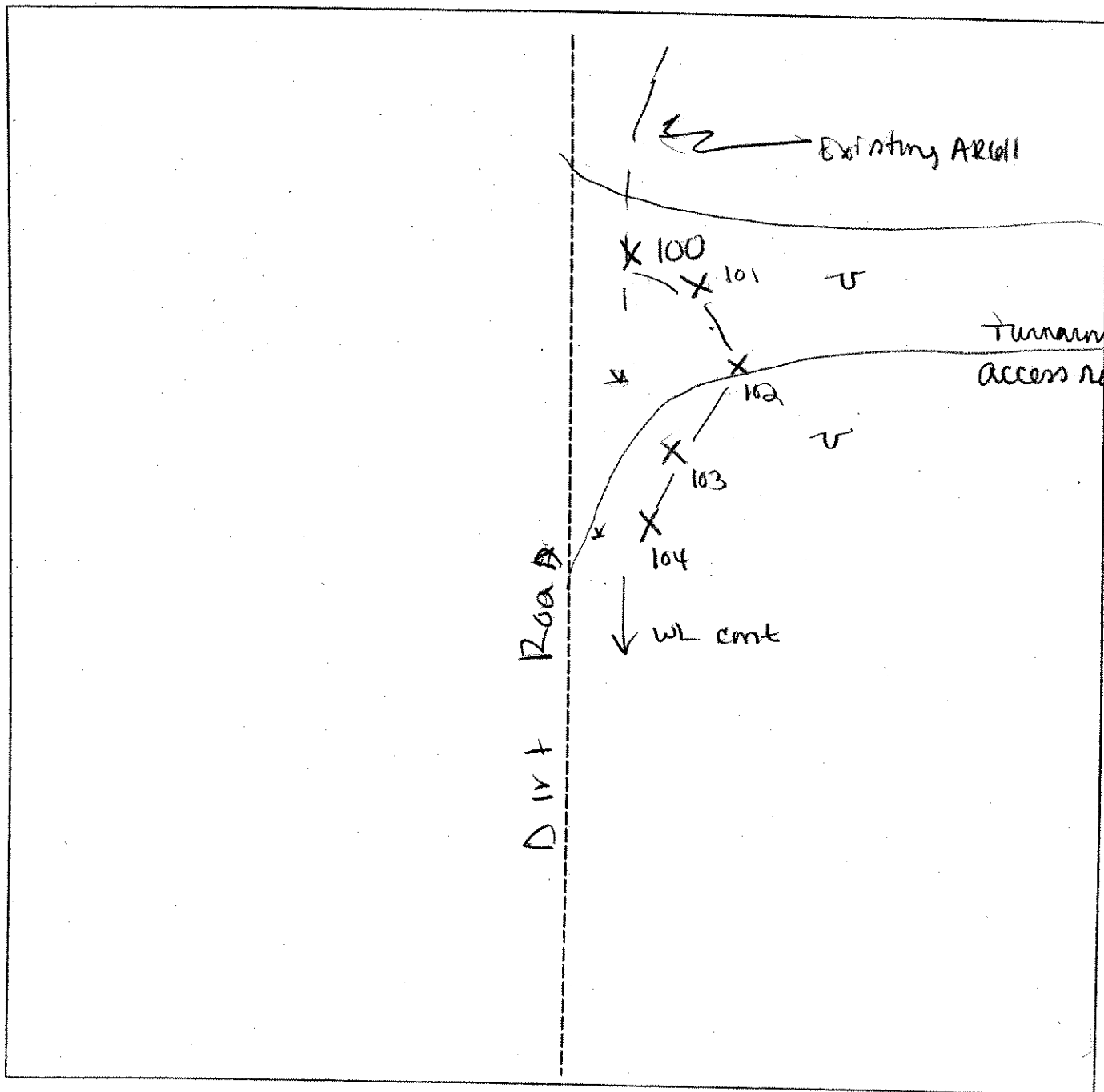
Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Remarks: Area has been logged. Refer to AR1028 AB 551		

SKETCH FORM

Wetland ID/Route #: ARoll AR00 EXTENSION	Date: 5/9/07	Time:
Initials of Delineators: JV AP	Location: AR by T-194	
Roll #:	Frames:	



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

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

Project Site: <u>MARBLE RIDGE</u> Applicant/Owner: <u>MARBLE RIDGE, LLC</u> Investigator: <u>TRD, TRJ</u>	Date: <u>5/5/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? 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>AR611E</u> Plot ID: <u>SS1</u>

VEGETATION PSS

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>20%</u> Shrub: <u>80%</u> Herb: <u>20%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED maple</u>	<u>T/S/H</u>	<u>FAC</u>	9.		
2. <u>GRAY BIRCH</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>NORWAY SPRUCE</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>MT. AINSLIE</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>TROUT LILY</u>	<u>H</u>	<u>UPL*</u>	13.		
6. <u>SORBITER GEN</u>	<u>H</u>	<u>FACW</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>80%</u>					
Remarks: <u>* Not listed; presumed UPL</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 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: 5/5/06
 Community ID: ARB11E
 Plot ID: S51

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: <u>MARBIERIVER</u> Applicant/Owner: <u>MARBIERIVER, LLC</u> Investigator: <u>TRT, TRT</u>	Date: <u>5/5/06</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>UPLAND</u> Transect ID: <u>132611E</u> Plot ID: <u>SS2</u>

VEGETATION

UPLAND - SAUB SHrub - Decid

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>7%</u> Herb: <u>5%</u> Vine: <u>Ø</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED maple</u>	<u>T/S/A</u>	<u>FAC</u>	9.		
2. <u>BILL CHERRY</u>	<u>S/H</u>	<u>FACW</u>	10.		
3. <u>TRAIT Gilly</u>	<u>H</u>	<u>UPL</u>	11.		
4. <u>MT. ALDER</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Ø PASPEO</u>	<u>T</u>	<u>FACW</u>	13.		
6.			14.		
7.			15.		
8.			16.		

(cont'd)

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

Remarks:
* Not listed; presumed UPL

HYDROLOGY

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

Remarks:

Date: 5/5/06
 Community ID: ~~Walla Upland~~
 Plot ID: ARG11E-SS2

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	5YR 3/3	—	—	ORGANIC?
2-18	A	7.5YR 4/3	—	—	SI CL
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>RTD, RT</u>	Date: <u>5/5/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? 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>WERAN1</u> Transect ID: <u>AR611E</u> Plot ID: <u>55X</u> <u>AR611E-553</u>

VEGETATION PSS/PEM

Plant Community Classification: _____
 Percent Canopy Cover: Tree: 0 Shrub: 706 Herb: 854 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPELLIS MIDA</u>	<u>5</u>	<u>FACW</u>	9.		
2. <u>MEADOWSWEET</u>	<u>3</u>	<u>FAC</u>	10.		
3. <u>CAREX LURIDA</u>	<u>17</u>	<u>OBL</u>	11.		
4. <u>SPARG. MUN</u>	<u>17</u>	<u>OBL*</u>	12.		
5. <u>CAREX SP</u>	<u>17</u>	<u>—</u>	13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks:
Not Listed; presumed OBL

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 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>12" + in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	Remarks:

Date: 5/5/06
 Community ID: WOTRAID
 Plot ID: AR611C-SSX

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR4/1			SILT LO

Hydro Soil Indicators

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

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>MADDIE RIVER</i> Applicant/Owner: <i>MADDIE RIVER, LLC</i> Investigator: <i>ISA, JAJ</i>	Date: <i>5/5/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
Community ID: <i>UPLand</i> Transect ID: <i>ARB11E</i> Plot ID: <i>-554</i>	

VEGETATION *UPLAND STRUB*

Plant Community Classification:
 Percent Canopy Cover: Tree: *35%* Shrub: *80%* Herb: *25%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>MC ALDER</i>	<i>S</i>	<i>FAC</i>	9. <i>SUPER maple</i>	<i>T</i>	<i>FACU-</i>
2. <i>BRAUER FERN</i>	<i>H</i>	<i>FACU</i>	10. <i>Carolina Spring BEAUTY</i>	<i>H</i>	<i>FACU</i>
3. <i>TRIF Cherry</i>	<i>T/S</i>	<i>FACU</i>	11. <i>TRILob sp</i>	<i>H</i>	<i>-</i>
4. <i>STRAWBERRY</i>	<i>H</i>	<i>UPL</i>	12.		
5. <i>TROUT Lily</i>	<i>H</i>	<i>UPL*</i>	13.		
6. <i>WOOD FERN</i>	<i>H</i>	<i>-</i>	14.		
7. <i>BRASS sp</i>	<i>H</i>	<i>-</i>	15.		
8. <i>NANA berry</i>	<i>S</i>	<i>FAC</i>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *26%*

Remarks:
** Not listed; presumed UPL*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5/5/06
 Community ID: UPLAND
 Plot ID: AR 611E-SS 4

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A ₁	10YR 2/1	—	—	Silt loam
2-8	A ₂	10YR 4/2	—	—	Silt loam
8-16	B	7.5YR 4/6	—	—	Silt clay loam

Hydro Soil Indicators

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

Remarks:

Refusal @ 16"

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>JTB, JT</u>	Date: <u>5/5/06</u> County: <u>Cl. Co.</u> State: <u>NT</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wetlands</u> Transect ID: <u>AR 611E</u> Plot ID: <u>555</u>

VEGETATION

PSS / PEN

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>75%</u> Herb: <u>80%</u> Vine: <u>0</u>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>MARSH WIND</u></td> <td><u>H</u></td> <td><u>OBL</u></td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. <u>S. PERILLON ARDEN</u></td> <td><u>S</u></td> <td><u>FACW+</u></td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. <u>SPHAGNUM</u></td> <td><u>H</u></td> <td><u>OBL*</u></td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. <u>CALIX SP</u></td> <td><u>H</u></td> <td></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5.</td> <td></td> <td></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6.</td> <td></td> <td></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <u>MARSH WIND</u>	<u>H</u>	<u>OBL</u>	9.			2. <u>S. PERILLON ARDEN</u>	<u>S</u>	<u>FACW+</u>	10.			3. <u>SPHAGNUM</u>	<u>H</u>	<u>OBL*</u>	11.			4. <u>CALIX SP</u>	<u>H</u>		12.			5.			13.			6.			14.			7.			15.			8.			16.		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator																																																	
1. <u>MARSH WIND</u>	<u>H</u>	<u>OBL</u>	9.																																																			
2. <u>S. PERILLON ARDEN</u>	<u>S</u>	<u>FACW+</u>	10.																																																			
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4. <u>CALIX SP</u>	<u>H</u>		12.																																																			
5.			13.																																																			
6.			14.																																																			
7.			15.																																																			
8.			16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>																																																						
Remarks: <u>+ open water</u> <u>*Assume OBL</u>																																																						

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>12+ inch in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5/5/06
 Community ID: Wetland
 Plot ID: ARGIE-SS5

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 5/1	10YR 5/4	Comp/med / list	CLAY

Hydro Soil Indicators

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

Remarks:

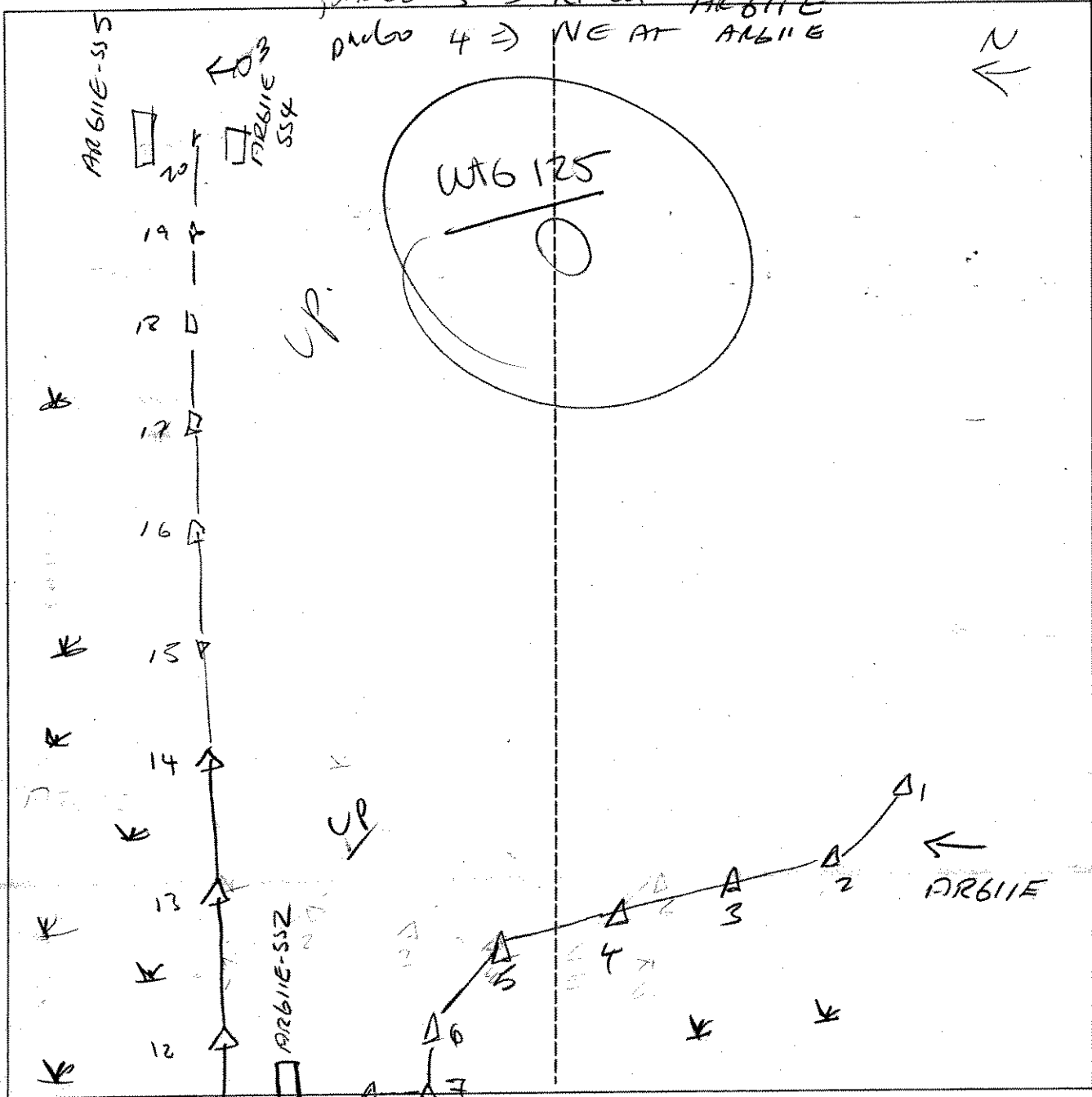
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: EAST OF ROUTEB RD.	Date: 5/5/06	Time: 0930
Initials of Delineators: [Handwritten]	Location: ARBIE	
Roll #: 4	Frames: Photo 1 => N W ARBIE/C Photo 2 => S W ARBIE Photo 3 => N W ARBIE Photo 4 => NE AT ARBIE	



<p>Legend</p> <ul style="list-style-type: none"> Wetland (V symbol) Upland (Y symbol) Stream (solid line) Intermittent Stream (dashed line) 	<p> Photo Location/Direction (circle with arrow) Sample Station (rectangle) Centerline (dashed line) Flag (triangle) </p>
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ARBIE

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

Wetland

Down Branch A G

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BDR</u>	Date: <u>5/5/06</u> County: <u>Clermont</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes</td> <td style="text-align: center;"><input type="checkbox"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="checkbox"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="checkbox"/> No</td> </tr> </table>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Yes	<input checked="" type="checkbox"/> No	Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No						
Yes	<input checked="" type="checkbox"/> No						
Yes	<input checked="" type="checkbox"/> No						
Community ID: <u>PR0/P56</u> Transect ID: <u>AR 615-Regina</u> Plot ID: <u>AR 615-991 - Regina</u>							

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: 63.0 Shrub: 10.5 Herb: 20.5 Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. iminale</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Aspen</u>	<u>Tree</u>	<u>FACU</u>	10.		
3. <u>Green Birch</u>	<u>Shrub</u>	<u>FAC</u>	11.		
4. <u>Herringberry</u>	<u>Shrub</u>	<u>FAC</u>	12.		
5. <u>Mayflower</u>	<u>Herb</u>	<u>FAC-</u>	13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: * Sphagnum

HYDROLOGY

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

Wetland

Date: 5/5/06
Community ID: P26/P25
Plot ID:

P2615 - A-SU40 SS1

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/1	None	None	Muddy loam
10-16	B _g	10YR 6/1	None	None	Sl

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks: Previous Wetland ID Te-2055

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

Upland
 Upland A-VF

Project Site: <i>Marble River</i>	Date: <i>5/5/06</i>
Applicant/Owner: <i>Marble River LLC</i>	County: <i>Clinton</i>
Investigator: <i>BPC</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Community ID: <i>PFO/Peto</i> Transect ID: <i>A2615-50-2</i> Plot ID: <i>A2615-A series</i>

VEGETATION

Plant Community Classification:
 Percent Canopy Cover: Tree: *63* Shrub: *10.5* Herb: *20.5* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Aspen</i>	<i>Tree</i>	<i>FACU</i>	9.		
2. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Wormy birch</i>	<i>Shrub</i>	<i>FAC</i>	11.		
4. <i>Red Maple</i>	<i>Shrub</i>	<i>FAC</i>	12.		
5. <i>Maiglöckchen</i>	<i>Herb</i>	<i>FACU</i>	13.		
6. <i>Braunerfarn</i>	<i>Herb</i>	<i>FACU</i>	14.		
7.			15.		
8.			16.		

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

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None Observed</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>> 16"</i> Depth to Free Standing Water in Pit (in.): <i>> 16"</i> Depth to Saturated Soil (in.): <i>> 16"</i>	
Remarks: <i>No wetland hydrology obs.</i> <i>Recent Rain 5/2 - 5/3</i>	

Date: 5/5/06
 Community ID: PFD / P85
 Plot ID:
 AR 615-P-series 65-2
 upland A-S

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10YR 3/2	None	None	FSL
8-14	E	10YR 6/2	None	None	FSL
14-18	Bw1	7.5YR 4/6	None	None	FSL

Hydro Soil Indicators

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

Remarks:

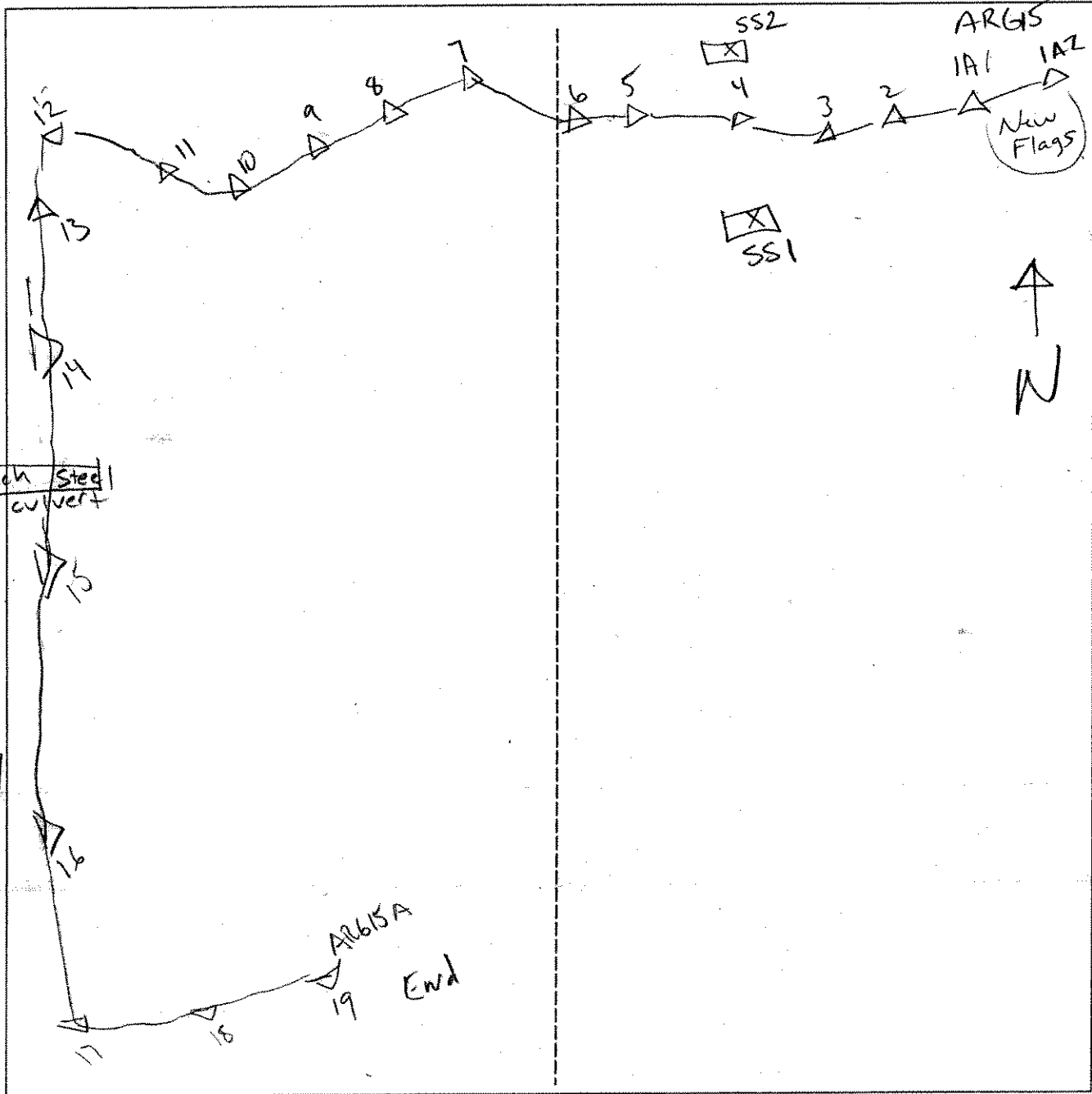
WETLAND DETERMINATION

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

Remarks: Previous Wetland ID 2006

SKETCH FORM

Wetland ID/Route #: AR 615-B	Date: 5/8/06	Time:
Initials of Delineators: DPR	Location: Marble River	
Roll #:	Frames: 47 : Looking NE @ AR615A	



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

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

Downgradient AR 615
B12B2

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River</i> Investigator: <i>BTR</i>	Date: <i>5/5/06</i> County: <i>Cum gratia</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>FF0/PSS</i> Transect ID: <i>AR 615-SS-1</i> Plot ID: <i>SS-1-B-series</i>

VEGETATION * Adj. gravel road, logging activity in vicinity

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>38.0</i> Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>Tree</i>	<i>FAC</i>			
2. <i>Red maple</i>	<i>Sap</i>	<i>FAC</i>			
3. <i>Red maple</i>	<i>Shrub</i>	<i>FAC</i>			
4. <i>Pinus strobus</i>	<i>Shrub</i>	<i>FAC</i>			
5.					
6.					
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>Sphagnum</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 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 type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>6"</i> Depth to Saturated Soil (in.): <i>6"</i>	
Remarks: <i>Recent Rain 5/2 & 5/3</i>	

Date: 5/5/06
 Community ID: DR-615
 Plot ID: 55-1 - B. Sures
 Wetland

SOILS

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

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks Wetland Area previously delineated to 2005			

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

Upgradient AR 615-B1 & B2

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BJR	Date: 5/5/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: PFO/BS Transect ID: AR 615-SS-2 Plot ID: SS-2-B-Series

* Adj. gravel road, logging activity in vicinity

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 63% Shrub: 38% Herb: 3% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Maple	T	FAC	9.		
2. Gray Birch	Shrub	FAC	10.		
3. Bracken Fern	Herb	FACU	11.		
4. Red Maple	Shrub	FAC	12.		
5. Nannyberry	Shrub	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: No Indicators Obs. <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): > 16" Depth to Free Standing Water in Pit (in.): > 16" Depth to Saturated Soil (in.): > 16"	
Remarks: * Recent Rain 5/2 & 5/3.	

Date: 5/5/00
 Community ID: DR-615
 Plot ID: SS-2 - B-series Flay
 Wetland

SOILS

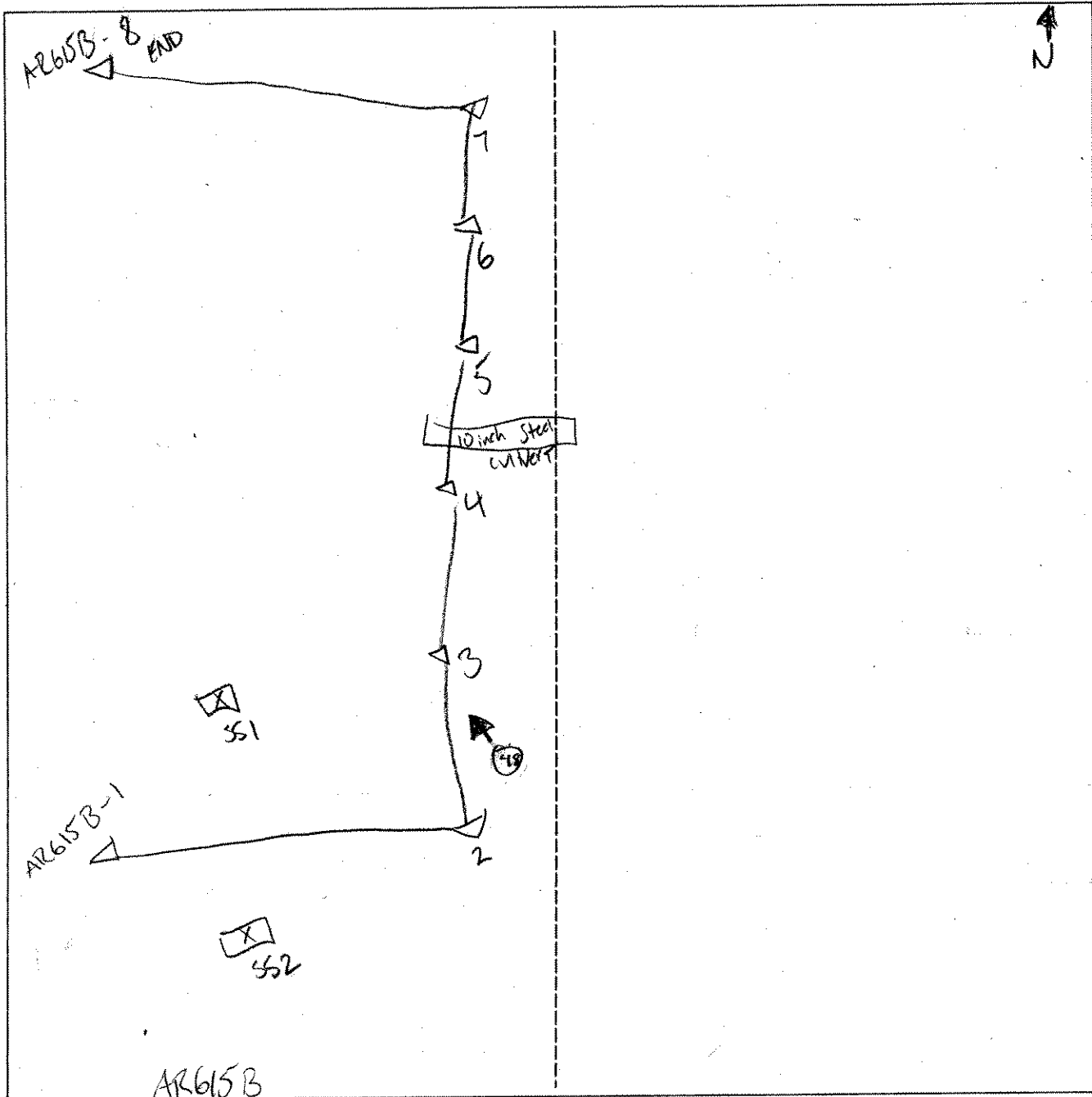
Map Unit Name (Series and Phase): <i>N/A</i>		Drainage Class: <i>mwb</i>			
Taxonomy (SubGroup): <i>N/A</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	<i>Ap</i>	<i>10YR 3/2</i>	<i>None</i>	<i>None</i>	<i>None</i>
4-6	<i>E</i>	<i>10YR 5/2</i>	<i>None</i>	<i>None</i>	<i>None</i>
6-12	<i>Bw₁</i>	<i>10YR 4/6</i>	<i>None</i>	<i>None</i>	<i>None</i>
12-16"	<i>Bw₂</i>	<i>10YR 6/6</i>	<i>None</i>	<i>None</i>	<i>None</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <i>short E-horizon - no redox features observed</i>					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="checkbox"/> No
Wetlands Hydrology Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Hydric Soils Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Remarks <i>Wetland Area previously delineated to 2005?</i>			

SKETCH FORM

Wetland ID/Route #: AR 615 B	Date: 5/5/06	Time:
Initials of Delineators: BPD	Location: Marble River	
Roll #:	Frames: 48 : Looking NW @ AR615B	



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

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

AR615B EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: IV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS Transect ID: Plot ID: AR615 B SSI

VEGETATION

AR904 A
AR615 B

Plant Community Classification:					
Percent Canopy Cover: Tree: 200 Shrub: 80 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5. <i>B. populifolia</i>	S	FAC	13.		
6. <i>Sphagnum moss</i> 200	H	OBL	14.		
7. <i>M. canadensis</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks:					

HYDROLOGY

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

Date: 5/9/07
 Community ID: PSS
 Plot ID: AR615A SSI
 AR904A

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/2			silt
3-5	B	10YR 2/1			silt
5-10	C	2.5Y 4/1	5Y 6/2	common, faint, md	clay
10-14	D	5Y 6/2			sandy clay

Soil Indicators

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

Remarks: standing water in pit @ 3", organic streaking in C

WETLAND DETERMINATION

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

Remarks: DEC WL photo 7 = W

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

EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JN AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR015 B S52

AR901A
AR1011B

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: 40 Shrub: 40 Herb: 65 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Myrica pensylvanica	S	FAC	10.		
3. Betula populifolia	S	FAC	11.		
4. Aster sp	H		12.		
5. Pteridium aquilinum	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: cannot v.d due to season					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input 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: 5/19/07
 Community ID: UPA
 Plot ID: AR615 A
 AR904A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concrete Structure, etc.
0-2	O	2.5YR 2.5/2			
2-4	A ₁	10YR 2/1			silt loam
4-8	A ₂	10YR 5/2			sandy loam
8-12	B	10YR 3/3			clay loam

Hydro Soil Indicators

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

Remarks: organic streaking in B

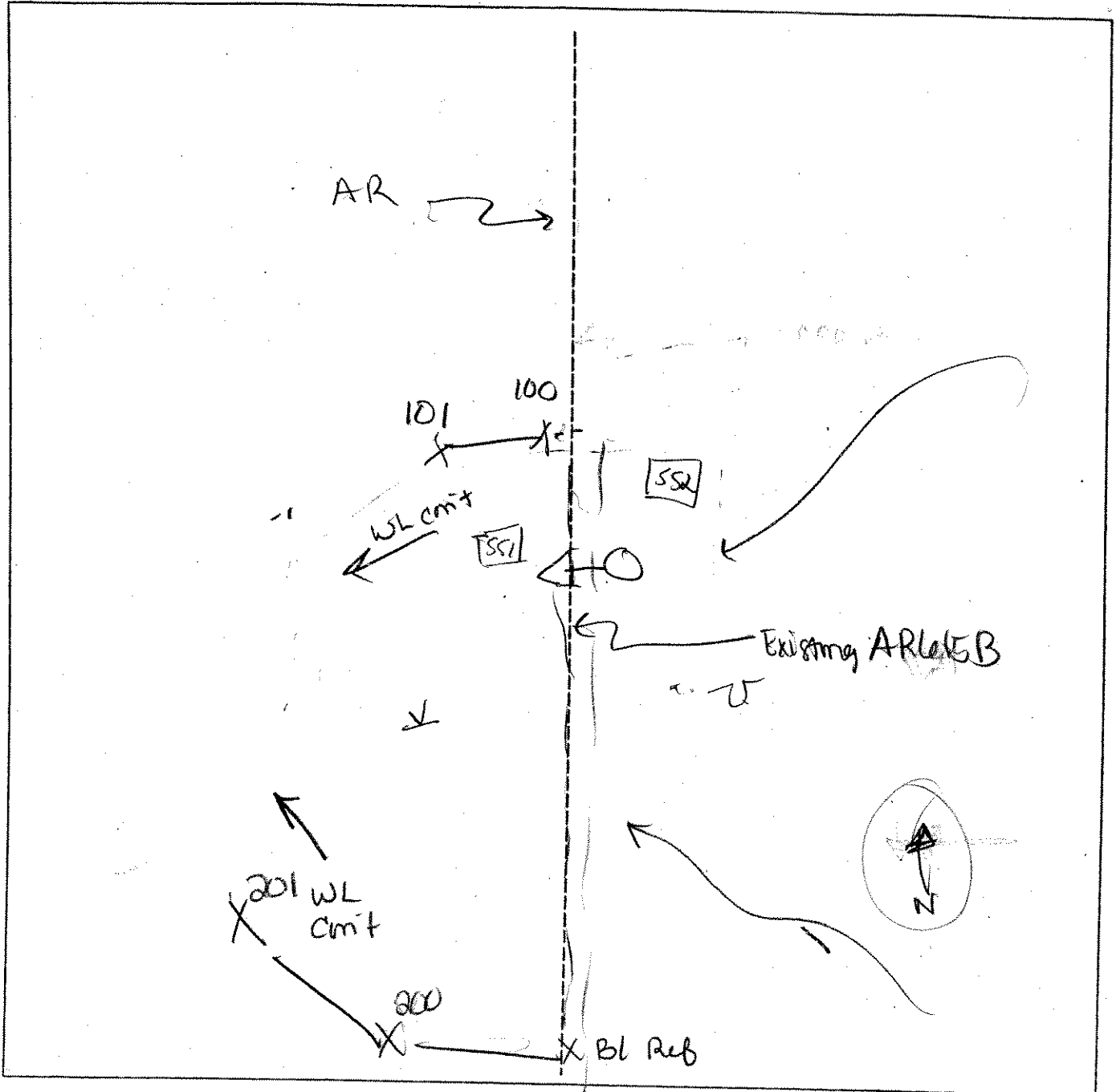
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR615 B EXTENSION	Date: 5/9/07	Time:
Initials of Delineators: JV AP	Location: T.209	
Roll #:	Frames: 7 = W	



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

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

Project Site: <u>MADIE River</u>	Date: <u>5/7/06</u>
Applicant/Owner: <u>MADIE River LLC</u>	County: <u>Clinton</u>
Investigator: <u>RATTS - RT</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
	Community ID: <u>wetland</u> Transect ID: <u>AR617A</u> Plot ID: <u>SSI</u>

VEGETATION

PSS/PBW - Rutted

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MORRIS Sweet</u>	<u>S</u>	<u>FACW</u>	9. <u>SALIX</u>	<u>S</u>	<u>-</u>
2. <u>Gum sp</u>	<u>H</u>	<u>-</u>	10.		
3. <u>Cyper sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>STEE PLE Bush</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>OA Creeper</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>SIDA herb</u>	<u>H</u>	<u>UPL</u>	14.		
7. <u>DK GRASS</u>	<u>H</u>		15.		
8. <u>Sensitive fern</u>	<u>H</u>	<u>FAW</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>- J. eggus in other parts of wetland</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves (<u>in Ruts</u>) <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>8-10"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>- standing water up to 8" in Ruts of other parts of wetland</u>	

Date: 5/7/06
 Community ID: WERAND
 Plot ID: AL617A-SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 4/2	—	—	Silt loam
8-18	B	10YR 6/1	10YR 5/8	many coarse / poor	CLAY

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks: Disturbed area deeply rutted wetlands w/ concentrated (many) in Ruts. but scattered throughout

Boundary of Field Reviewed wetlands verified
- unchanged.

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RTA, JAV</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR617A</u> Plot ID: <u>552</u>

VEGETATION Open Early Successional

Plant Community Classification:
Percent Canopy Cover: Tree: 0 Shrub: 30% Herb: 100% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Steeple bush</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>mesquit</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Clematis</u>	<u>H</u>	<u>-</u>	11.		
4. <u>White flower</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Solidago sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Grass sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Yarrow</u>	<u>H</u>	<u>FACW</u>	15.		
8.			16.		

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

Remarks:

HYDROLOGY

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

Date: 5/7/06
 Community ID: Upland
 Plot ID: AL617A

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10R4/4	—	—	Silt loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

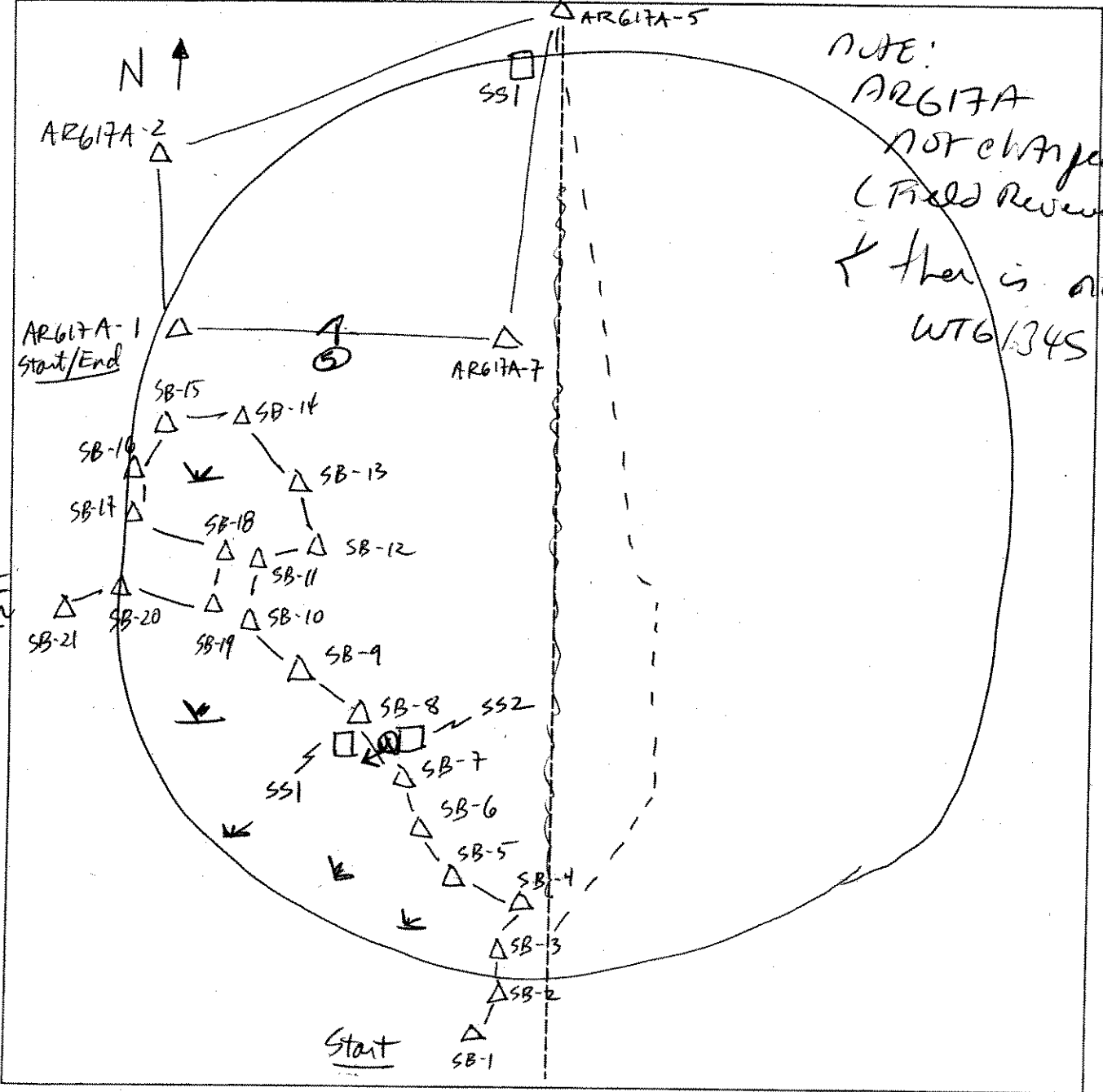
Hydrophytic Vegetation Present?	Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input type="radio"/> No	
Hydric Soils Present?	Yes	<input type="radio"/> No	

Remarks
 Disturbed field.

SKETCH FORM

Wetland ID/Route #: WTG 134S B	Date: 05-07-06	Time: 3:12 P.
Initials of Delineators: RD-RJ	Location: Turbine 134S	
Roll #: Frames: photo 4 5	→ Wat WTG 134S B → Not ARG 17A SSS2 □	

NOTE:
 ARG 17A
 not changed
 (Field Review)
 ← there is no
 WTG 134S A



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

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

Project Site: <u>MARSH RIVER</u>	Date: <u>5/7/06</u>
Applicant/Owner: <u>MARSH RIVER, LLC</u>	County: <u>Clinton</u>
Investigator: <u>RTN, RT</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/>	Community ID: <u>Wetlands</u> Transect ID: <u>AR618A</u> Plot ID: <u>SSI</u>
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.)	

VEGETATION

PSS / PEN

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>Ø</u>	Shrub: <u>70%</u>	Herb: <u>95%</u>	Vine: <u>Ø</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silky willow	S	OBL	9. CATOONYS	H	OBL
2. Water hyacinth	H	FACU	10. Carex lasiocarpa	H	OBL
3. Common sp	H	-	11. SLEEPS BUSH	S	FACW
4. Red canopy grass	H	FACW	12.		
5. meadow sweet	S	FACW	13.		
6. Red maple	S	FAC	14.		
7. Equisetum	H	-	15.		
8. Carex sp	H	-	16.		

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

Remarks:

From tree stumps

HYDROLOGY

<p><input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available</p>	<p>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 type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>8" in places</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>Ø</u></p> <p>Depth to Saturated Soil (in.): <u>Ø</u></p>	
<p>Remarks:</p>	

Date: 5/7/06
 Community ID: wetland
 Plot ID: AR618A-SS1

SOILS

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

Profile Description: Depth (Inches)	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 5/1	10YR 5/8	(p/m) / clt / clay

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

Remarks:

WETLAND DETERMINATION

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

Remarks

Photo → SE of wetland AR618A

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

Project Site: <u>MADRID River</u> Applicant/Owner: <u>MADRID RIVER, LLC</u> Investigator: <u>ROTH, PA.</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes Is the site significantly disturbed (Atypical Situation)? No Is the area a potential Problem Area? No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>AR618A upland</u> Plot ID: <u>SS2</u>

VEGETATION

Upland Raised Access Rd.

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>White clover</u>	<u>H</u>	<u>FACU-</u>			
2. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>			
3. <u>Ben sp</u>	<u>H</u>	<u>-</u>			
4. <u>Red clover</u>	<u>H</u>	<u>FACU-</u>			
5. <u>Common plantain</u>	<u>H</u>	<u>FACU</u>			
6.					
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u>					
Remarks:					

HYDROLOGY

<p>___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other ___ 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: 5/7/06
 Community ID: Upland
 Plot ID: AR618A-SS2

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/2	—	—	Silty clay loam

Hydro Soil Indicators

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

Remarks:
 Refused auger at 6"

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>MARSH RIVER</i>	Date: <i>5/8/06</i>
Applicant/Owner: <i>MARSH RIVER, LLC</i>	County: <i>Clinch</i>
Investigator: <i>BT, BT</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/>	Community ID: <i>WETLANDS</i> Transect ID: <i>AR6183</i> Plot ID: <i>SS1</i>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	

VEGETATION

PSS.

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <i>85%</i> Herb: <i>95%</i> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bass Willow</i>	<i>S</i>	<i>FACW</i>	9. <i>WATER LILY</i>	<i>H</i>	<i>OBL</i>
2. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	10. <i>WATER LILY</i>	<i>H</i>	
3. <i>STEEPLE BUSH</i>	<i>S</i>	<i>FACW</i>	11. <i>WATER LILY</i>	<i>S</i>	<i>FACW</i>
4. <i>Silky willow</i>	<i>S</i>	<i>OBL</i>	12.		
5. <i>WATER LILY</i>	<i>H</i>	<i>OBL</i>	13.		
6. <i>RED CANARY GRASS</i>	<i>H</i>	<i>FACW+</i>	14.		
7. <i>MEADOW SWEET</i>	<i>S</i>	<i>FACW</i>	15.		
8. <i>SPERMATOPHYTES</i>	<i>H</i>	<i>OBL</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>* Not listed; presumed OBL</i>					

HYDROLOGY

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

Date: 5/8/06
 Community ID: WERAN.D
 Plot ID: AR618B-SSI

SOILS

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

Profile Description:					Texture, Concretions, Structure, etc.:
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	
0-6	A	10YR 2.5/2	—	—	Silty clay loam
6-12	B	10YR 4/1	—	—	Silty clay

Hydro Soil Indicators

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

Remarks:
 Refusal of Auger at 12"

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>MARIE RIVER</u> Applicant/Owner: <u>MARIE RIVER, LLC</u> Investigator: <u>TOM RIF</u>	Date: <u>5/18/06</u> County: <u>CLACK</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>AR618B</u> Plot ID: <u>SS2</u>

VEGETATION Open Early Successional

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>40%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Tree <u>Goldenrod sp.</u>	S <u>H</u>	— <u>—</u>	9. <u>Highbush blackberry</u>	<u>S</u>	<u>FACU-</u>
2. Tree <u>Goldenrod sp.</u>	<u>H</u>	<u>—</u>	10. <u>Rack-leafed goldenrod</u>	<u>H</u>	<u>FAC</u>
3. <u>Doxillin</u>	<u>H</u>	<u>FACU</u>	11. <u>Canada goldenrod</u>	<u>H</u>	<u>FACU</u>
4. <u>SALIX sp.</u>	<u>S</u>	<u>—</u>	12.		
5. <u>GRAM sp.</u>	<u>H</u>	<u>—</u>	13.		
6. <u>Senecio</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>TANEX sp.</u>	<u>H</u>	<u>—</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/8/06
 Community ID: UPLA7
 Plot ID: AR6187B-SS2

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-18	A	10YR4/3	—	—	Silt loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input 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: <u>Morris River</u> Applicant/Owner: <u>Morris River LLC</u> Investigator: <u>RVD, BT</u>	Date: <u>5/8/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AL618B</u> Plot ID: <u>SS3</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:					
	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sensitive fern	H	FACW	9. Spotted Alder	S	FACW+
2. Carex sp	H	—	10. nanny berry	S	FAC
3. Equisetum	H	OBL	11. Red maple	S/H	FAC
4. Sphagnum moss	H	OBL+	12. High bush blackberry	S	FACU-
5. may flower	H	FAC	13. Swicberry	S	FAC
6. meadow sweet	S	FACW	14. Silky willow	S	OBL
7. GRAY DIELH	TB	FAC	15.		
8. Q Aspen	T/S	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>85%</u>					
Remarks: <u>X Not listed; presumed OBL</u>					

HYDROLOGY

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

Date: 5/8/06
 Community ID: WOLANDS
 Plot ID: AR618B-SS3

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-12	A	10YR 4/1	—	—	STY CLAY
12-18	BS	10YR 5/1	7.5YR 5/8	com/med/Pro	CLAY

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>RTD RT-</u>	Date: <u>5/8/06</u> County: <u>CINCINNATI</u> State: <u>OH</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR618B</u> Plot ID: <u>SS4</u>

VEGETATION modified - TREE PLANTATION w/ DRAINAGE DITCH SLOTTED

Plant Community Classification:						
Percent Canopy Cover:		Tree: <input checked="" type="checkbox"/>	Shrub: <input type="checkbox"/>	Herb: <input type="checkbox"/>	Vine: <input type="checkbox"/>	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>STRAWBERRY</u>	<u>H</u>	<u>UPL</u>	9.			
2. <u>BIRCH</u>	<u>S</u>	<u>FAC</u>	10.			
3. <u>HOWEVER</u>	<u>H</u>	<u>UPL</u>	11.			
4. <u>GRASS</u>	<u>H</u>	<u>-</u>	12.			
5. <u>SEWEEBERRY</u>	<u>S</u>	<u>FAC</u>	13.			
6. <u>HIGH BUSH BLACKBERRY</u>	<u>S</u>	<u>UPL</u>	14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>40%</u>						
Remarks:						

HYDROLOGY

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

Date: 5/8/06
 Community ID: UPIAN
 Plot ID: AR61813-SSX

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/4	—	—	Silt clay loam
8-18	B	10YR 2/5	7.5YR 5R	band red / Perm clay	clay

Hydro Soil Indicators

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

Remarks: _____

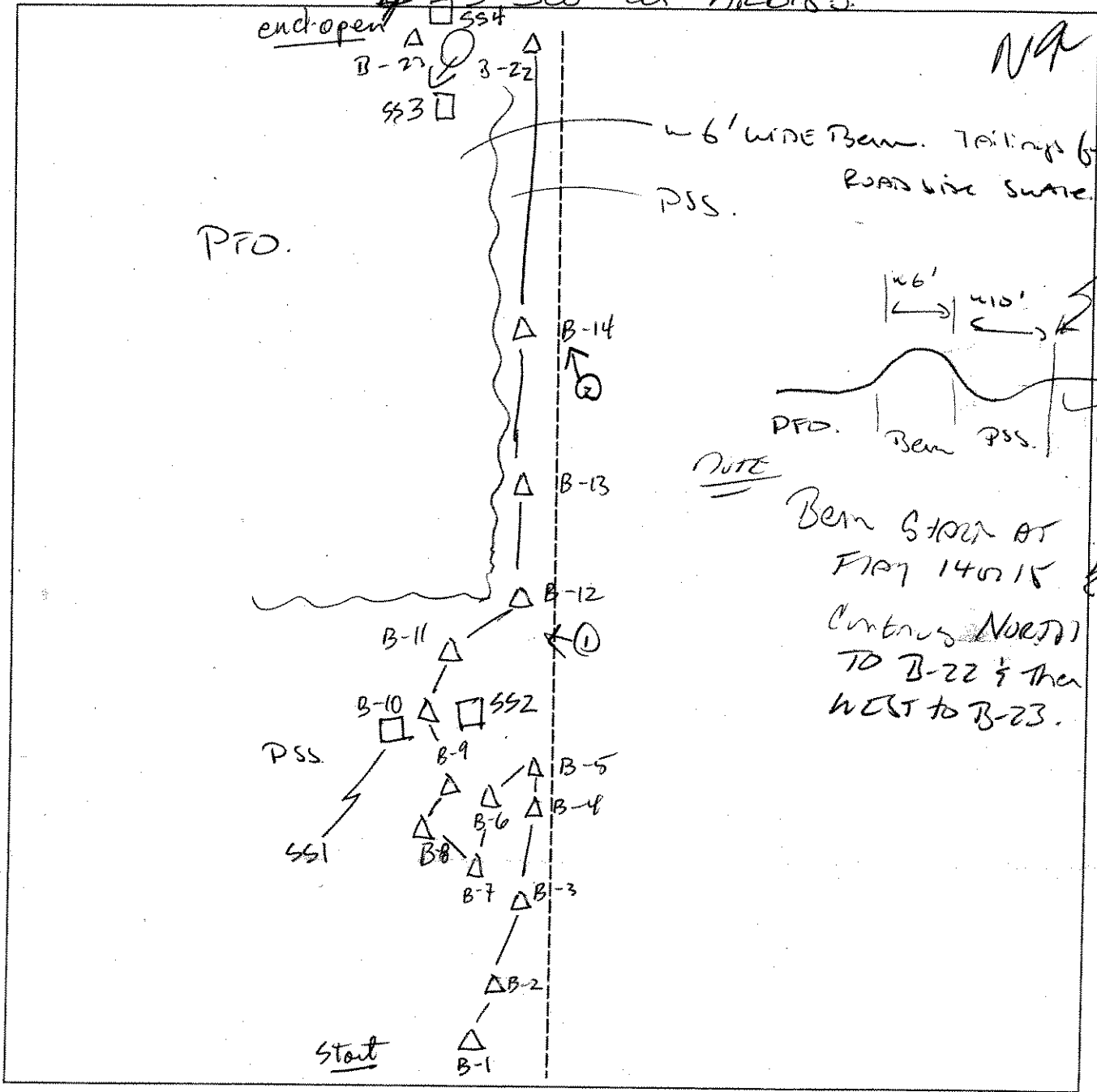
WETLAND DETERMINATION

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

Remarks: _____

SKETCH FORM

Wetland ID/Route #: AR618 B	Date: 05-08-06	Time: 9:10 a.
Initials of Delineators: AR618 RD-RJ	Location: Nick Cole's property	
Roll #:	Frames: photo 1 → WEST → AR618 B " 2 → NORTHWEST → AR618 B SW of AR618 B	



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

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

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>B.T., R.J.</u>	Date: <u>5/7/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>AR618C</u> Transect ID: <u>Wetlands</u> Plot ID: <u>AR618C-SS1</u>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>70%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Meadow Sweet	S	FACW	9. Sens. Five fern	H	FACW
2. Steeple Bush	S	FACW	10.		
3. Silky willow	S	OBL	11.		
4. Nanny berry	S	FAC	12.		
5. Service berry	S	FAC	13.		
6. Gray birch	S	FAC	14.		
7. T. g. s. s.	H	FACW+	15.		
8. Reed canopy	H	FACW+	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/7/06
 Community ID: wetland
 Plot ID: AL618C-SS1

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 7/1			Silt loamy / organic
3-9	B ₁	10YR 5/1	7.5YR 5/8	com med / prom	CLAY
9-18	B ₂	10YR 5/1	7.5YR 5/8	med / coarse / prom	CLAY

Hydro Soil Indicators

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

Remarks: _____

WETLAND DETERMINATION

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

Remarks: _____

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

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>RTD, RT</u>	Date: <u>5/10/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: <u>UPLANDS</u> Transect ID: <u>AR618C</u> Plot ID: <u>SS2</u>

VEGETATION EARLY SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>20%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MEADOW SWEET</u>	<u>S</u>	<u>FACW</u>	9. <u>White clover</u>	<u>H</u>	<u>FACU-</u>
2. <u>VELVET (COW)</u>	<u>H</u>	<u>UPL</u>	10. <u>Yarrow</u>	<u>H</u>	<u>FACU</u>
3. <u>Grass sp</u>	<u>H</u>	<u>-</u>	11. <u>Dandelion</u>	<u>H</u>	<u>FACU</u>
4. <u>STRAWBERRY</u>	<u>H</u>	<u>UPL</u>	12. <u>serviceberry (seedling)</u>	<u>H</u>	<u>FAC</u>
5. <u>Solidago sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>BRAMBLES</u>	<u>S</u>	<u>-</u>	14.		
7. <u>Q Aspen</u>	<u>S</u>	<u>FACU</u>	15.		
8. <u>Common mallow</u>	<u>H</u>	<u>UPL</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>20%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: <u>Photo ⇒ E AT AR618C</u>	

Date: 5/7/06
 Community ID: Upland
 Plot ID: AR618C-SS2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			COAM
12-18	B	10YR 4/7	7.5YR 4/6	com/fine/dist	Silty clay loam

Hydro Soil Indicators

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

Remarks:

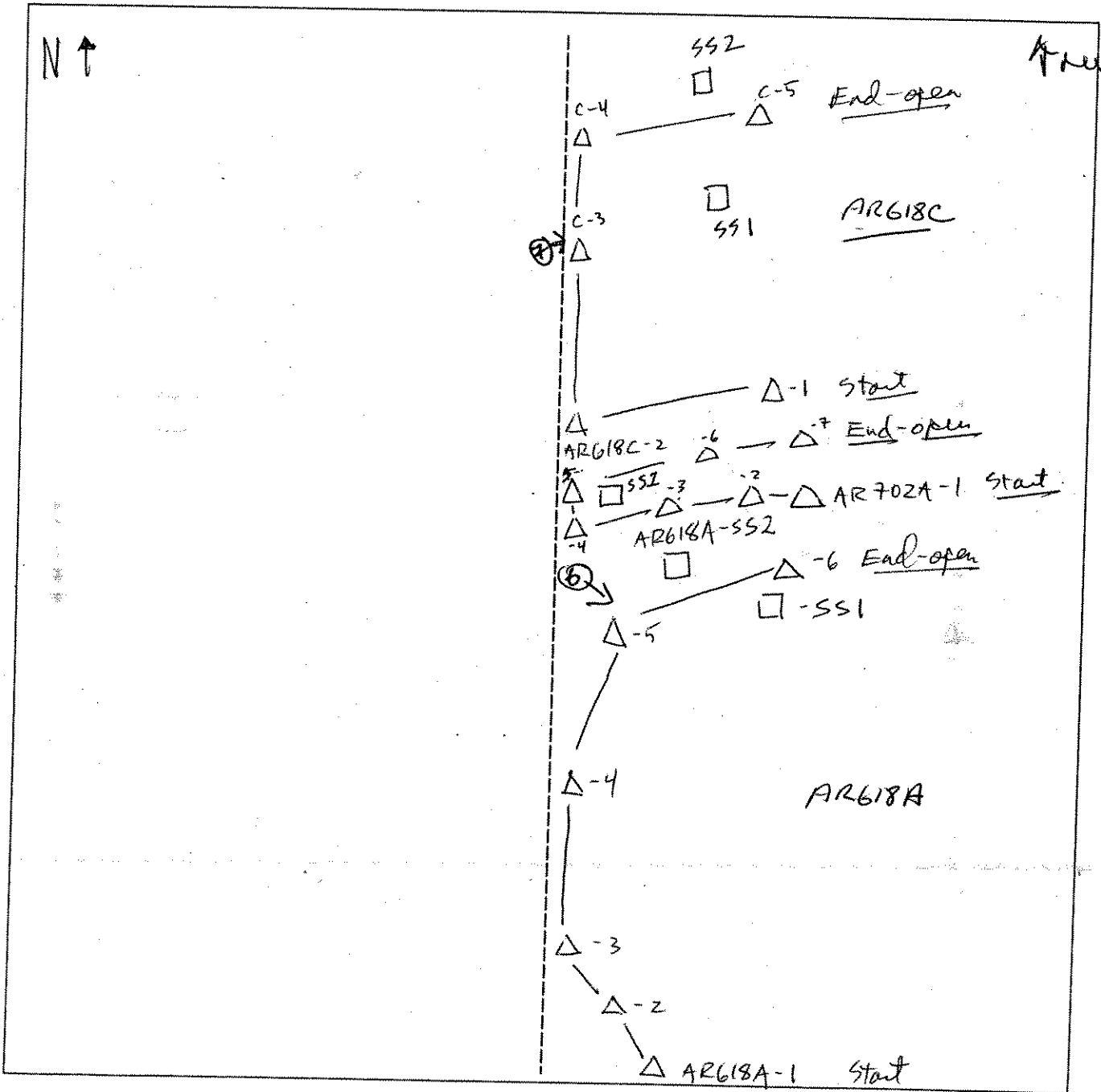
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR618	Date: 05/07/06	Time: 6:03 P.
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: Photos \Rightarrow SE AT AR618C Photos \Rightarrow E AT AR618C	



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

Red line

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

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>RTD RT</u>	Date: <u>5/8/06</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <u>WERAN1</u> Transect ID: <u>AR619A</u> Plot ID: <u>SS1</u>							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70%</u> Shrub: <u>50%</u> Herb: <u>70%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Spotted Alder</u>	<u>S</u>	<u>FACW+</u>	9. <u>Water/penny Clem</u>	<u>H</u>	<u>-</u>
2. <u>Green Birch</u>	<u>T/S</u>	<u>FAC</u>	10. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>
3. <u>Prunella Sweet</u>	<u>S</u>	<u>FACW</u>	11. <u>Black willow</u>	<u>S</u>	<u>FACW</u>
4. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Red Currant stem</u>	<u>H</u>	<u>FACW+</u>	13.		
6. <u>Cowslip</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Green Arque</u>	<u>H</u>	<u>OBL</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input 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 type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/8/06
 Community ID: WETLAND
 Plot ID: AR619A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR 2/1	—	—	Silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Revised Aug AT 81					

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: Associated w/ AR619-ST		

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

Project Site: <u>MORRIS River</u> Applicant/Owner: <u>MORRIS River, LLC</u> Investigator: <u>BD, BT</u>	Date: <u>5/8/06</u> County: <u>Cinta</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? 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>Upland</u> Transect ID: <u>AL69A</u> Plot ID: <u>552</u>

VEGETATION Upland Forest - Decid.

Plant Community Classification: <u>7090</u> Tree: <u>6090</u> Shrub: <u>6590</u> Herb: <u>6590</u> Vine: <u>Ø</u>					
Percent Canopy Cover: <u>70%</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>American Alder</u>	<u>T</u>	<u>FACU</u>	9. <u>Red maple</u>	<u>TIS</u>	<u>FAC</u>
2. <u>White Alder</u>	<u>S</u>	<u>FAC</u>	10. <u>Wet Sphagnum</u>	<u>H</u>	<u>FACW+</u>
3. <u>Spiny holly</u>	<u>S</u>	<u>FAC</u>	11. <u>Wet Sphagnum</u>	<u>H</u>	<u>FAC</u>
4. <u>Service berry</u>	<u>S/H</u>	<u>FAC</u>	12.		
5. <u>Tart holly</u>	<u>S/H</u>	<u>UPL*</u>	13.		
6. <u>Highbush blackberry</u>	<u>S/H</u>	<u>UPL</u>	14.		
7. <u>Ø</u>	<u>TIS</u>	<u>FACU</u>	15.		
8. <u>Ø</u>	<u>TIS</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks: <u>*Not listed; presumed to be UPL</u>					

HYDROLOGY

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

Date: 5/8/06
 Community ID: Upland
 Plot ID:

AR619A-SSQ

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8"	A	10YR/7/1	—	—	Silt loam

Hydro Soil Indicators

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

Remarks:
 Refusal of Auger at 8"

WETLAND DETERMINATION

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

Remarks

Handwritten scribbles

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

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>RTA, RT</u>	Date: <u>5/8/06</u> County: <u>Clinton</u> State: <u>NY</u>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <u>Wetlands</u> Transect ID: <u>AR619B</u> Plot ID: <u>SS1</u>							

VEGETATION PSS

Plant Community Classification:					
Percent Canopy Cover:					
	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Speckled Alder</u>	<u>S</u>	<u>FACW+</u>	9.		
2. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Sawtoothed</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Highbush Blackberry</u>	<u>S</u>	<u>UPL</u>	12.		
5. <u>Betula Sweet</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u> ✓	14.		
7. <u>Carex sp</u>	<u>H</u>	<u>-</u>	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 80%

Remarks: Ifferus & S. Fern observed in other portions of wetlands.
 ✓ Not listed, presumed UPL

HYDROLOGY

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

Date: 5/8/06
 Community ID: AR619D -
 Plot ID: SS1

SOILS

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

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

Hydro Soil Indicators

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

Remarks: _____

WETLAND DETERMINATION

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

Remarks: Association w/ STREAM
 AR619-ST

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

Project Site: <u>MARSH RIVER</u> Applicant/Owner: <u>MARSH RIVER, LLC</u> Investigator: <u>RTD, RT</u>	Date: <u>3/8/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>UPI1113</u> Transect ID: <u>AR619Z</u> Plot ID: <u>552</u>

VEGETATION Conifer Plantation

Plant Community Classification: Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>25%</u> Herb: <u>100%</u> Vine: <u>0</u>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>BRACKEN</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>9. <u>WATERCUP</u></td> <td><u>H</u></td> <td><u>FAC</u></td> </tr> <tr> <td>2. <u>SPERMATOPHYTES</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>10. <u>CRAMA GULDERIA</u></td> <td><u>H</u></td> <td><u>FACU</u></td> </tr> <tr> <td>3. <u>SERVICE BERRY</u></td> <td><u>S/H</u></td> <td><u>FAC</u></td> <td>11. <u>HICKORY</u></td> <td><u>H</u></td> <td><u>UPL</u></td> </tr> <tr> <td>4. <u>NANNY BERRY</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>12. <u>WHITE CLOVER</u></td> <td><u>H</u></td> <td><u>FACU</u></td> </tr> <tr> <td>5. <u>MEADOW SWEET</u></td> <td><u>S</u></td> <td><u>FACW</u></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6. <u>GRASS SP</u></td> <td><u>H</u></td> <td><u>-</u></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7. <u>STRAWBERRY</u></td> <td><u>H</u></td> <td><u>UPL</u></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8. <u>GRASS SP</u></td> <td><u>H</u></td> <td><u>-</u></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <u>BRACKEN</u>	<u>S</u>	<u>FAC</u>	9. <u>WATERCUP</u>	<u>H</u>	<u>FAC</u>	2. <u>SPERMATOPHYTES</u>	<u>S</u>	<u>FAC</u>	10. <u>CRAMA GULDERIA</u>	<u>H</u>	<u>FACU</u>	3. <u>SERVICE BERRY</u>	<u>S/H</u>	<u>FAC</u>	11. <u>HICKORY</u>	<u>H</u>	<u>UPL</u>	4. <u>NANNY BERRY</u>	<u>S</u>	<u>FAC</u>	12. <u>WHITE CLOVER</u>	<u>H</u>	<u>FACU</u>	5. <u>MEADOW SWEET</u>	<u>S</u>	<u>FACW</u>	13.			6. <u>GRASS SP</u>	<u>H</u>	<u>-</u>	14.			7. <u>STRAWBERRY</u>	<u>H</u>	<u>UPL</u>	15.			8. <u>GRASS SP</u>	<u>H</u>	<u>-</u>	16.		
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8. <u>GRASS SP</u>	<u>H</u>	<u>-</u>	16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>																																																						
Remarks:																																																						

HYDROLOGY

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

Date: 5/8/06
 Community ID: Upland
 Plot ID: AL619B-SS2

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 4/3	—	—	Silty clay loam

Hydro Soil Indicators

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

Remarks: _____

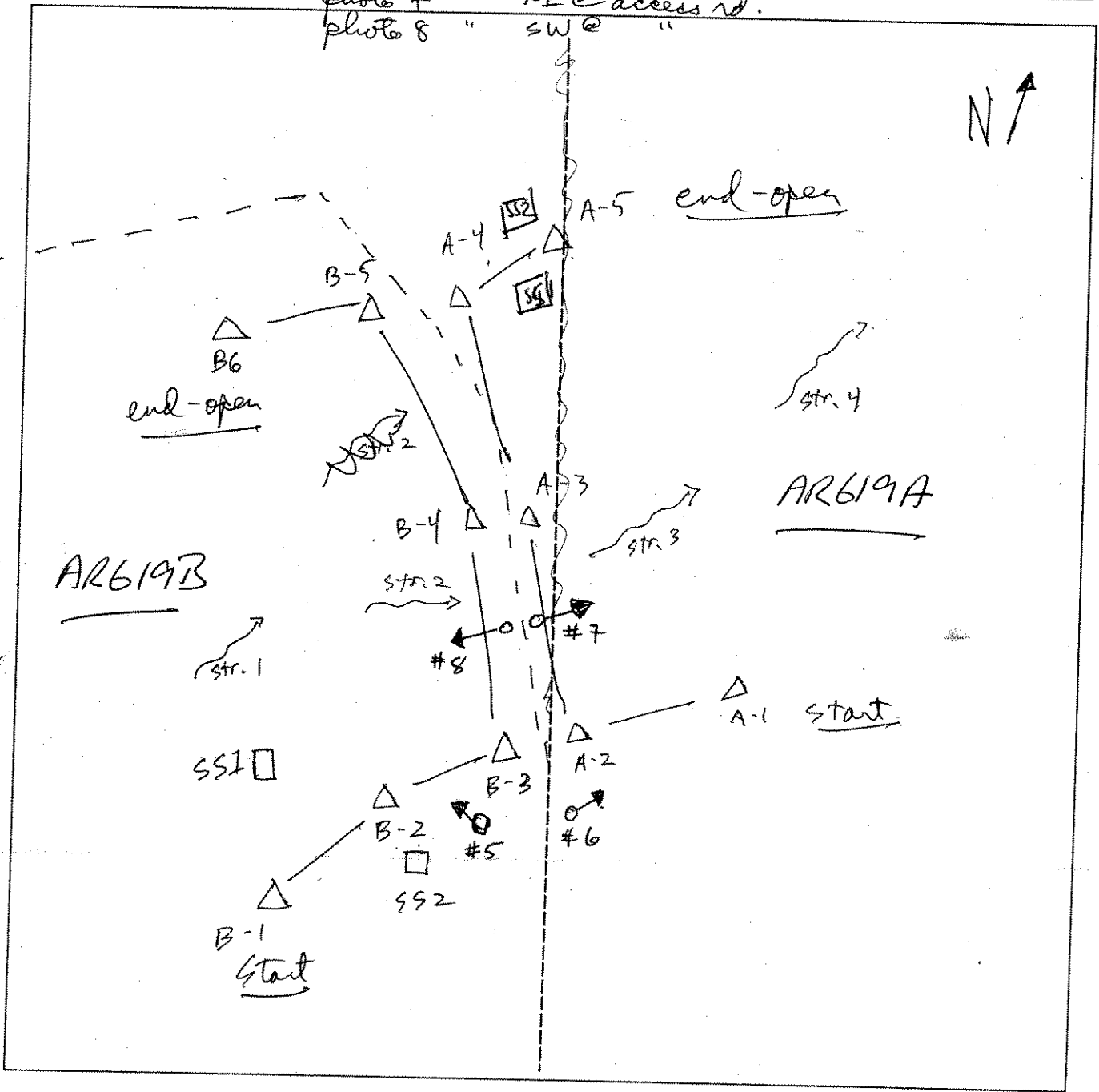
WETLAND DETERMINATION

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

Remarks: _____

SKETCH FORM

Wetland ID/Route #: AR619A/B	Date: 5/8/06	Time: 2:05
Initials of Delineators: RD-RJ	Location: ACCESS RD between T110 and 133 & 132	
Roll #:	Frames: photo 5 facing NW @ AR619B photo 6 " NE @ AR619A photo 7 " NE @ access rd. photo 8 " SW @ " "	



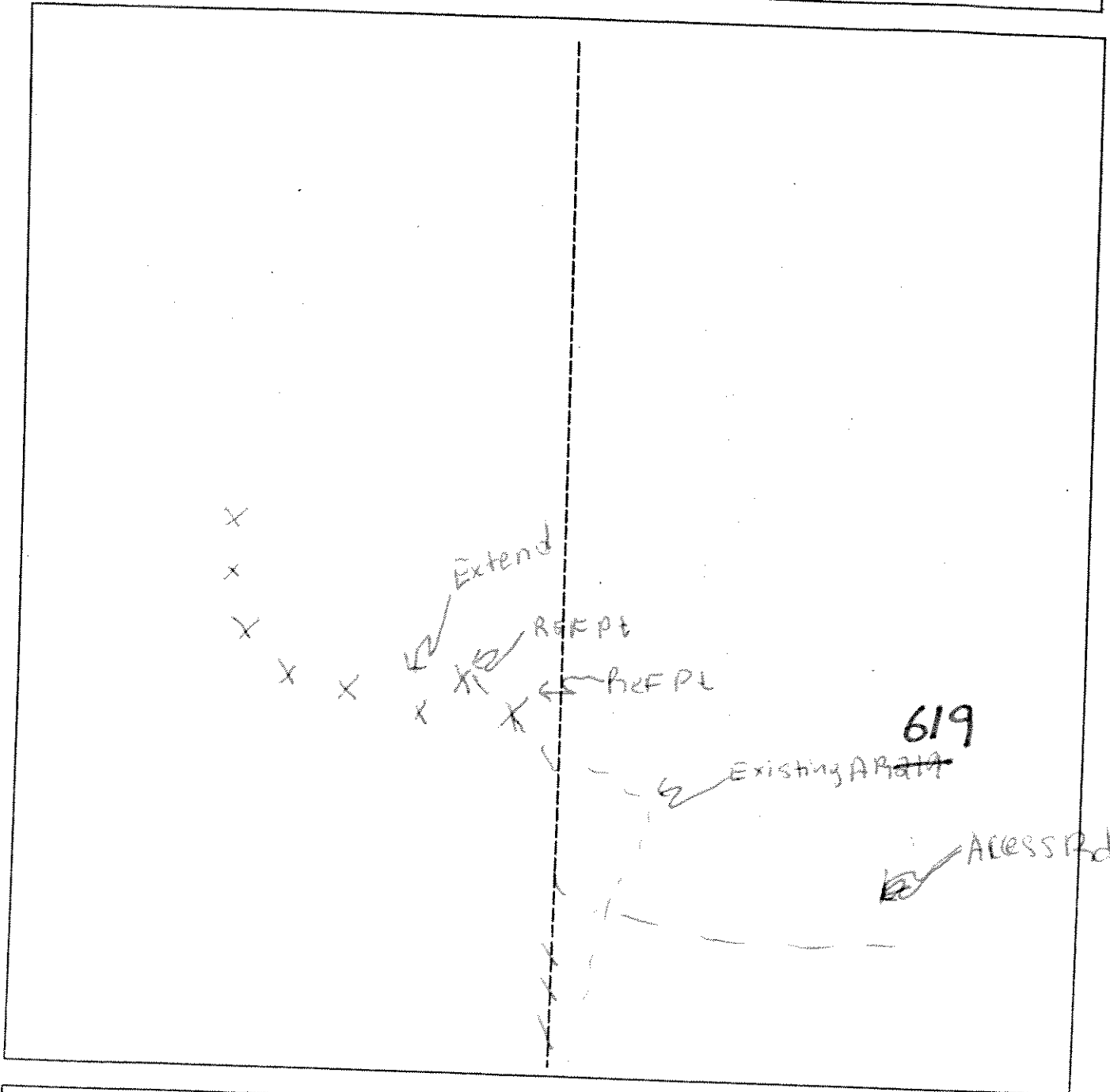
Legend	
	Photo Location/Direction
	Sample Station
	Centerline
	Flag
	Wetland
	Upland
	Stream
	Intermittent Stream

AR 619A

AR 619

LINE EXTENSION SKETCH FORM

Wetland ID/Route #: <u>AR 219-B Extended</u>		Date: <u>10/11/00</u>	Time: <u>1700</u>
Initials of Delineators: <u>IB JV</u>		Location: <u>T. Around S of T. 132</u>	
Roll #:	Frames:		

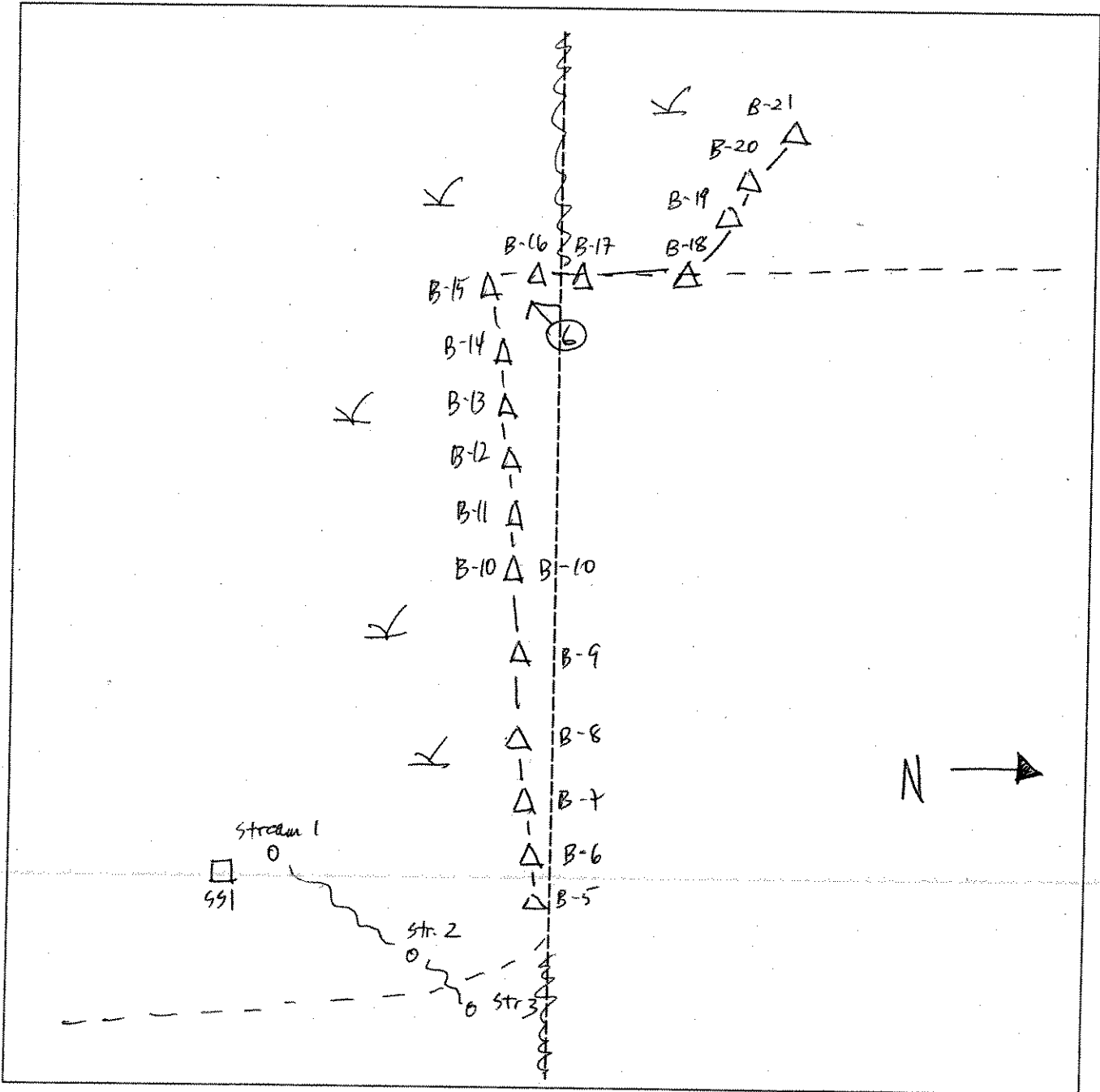


Legend

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

SKETCH FORM

Wetland ID/Route #: AR619B	Date: 5/8/06	Time: 6:55 P.
Initials of Delineators: RD-RJ	Location:	
Roll #: Photo 6	Frames: se at AR619B line extension	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD</u>	Date: <u>7-15-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO/PEM</u> Transect ID: Plot ID: <u>AR622 A/B SSI</u>

VEGETATION

Plant Community Classification: <u>PFO/PEM</u>					
Percent Canopy Cover: Tree: <u>5</u> Shrub: <u>15</u> Herb: <u>90</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Carex scoparia</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Carex intumescens</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Juncus effusus</u>	<u>H</u>	<u>FACW+</u>	13.		
6. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Cattails in group along AR.</u>					

HYDROLOGY

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

Date: 7-15-06
 Community ID: AFO/PEM
 Plot ID: AR622A/B SSI

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 2/1	-	-	Clay loam
12-18	B	10YR 2/2	-	-	Clay loam
Hydro Soil Indicators <i>None</i>					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RO	Date: 7-15-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: AR622A/B SSA

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: 70 Shrub: 90 Herb: 40 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. rubrum</i>	T	FAC	9.		
2. <i>A. balsamea</i>	T	FAC	10.		
3. <i>Rubus Alleghenensis</i>	S	FACU-	11.		
4. <i>R. Alleghenensis</i>	H	FACU-	12.		
5. <i>Maianthemum canadense</i>	H	FAC-	13.		
6. <i>A. rubrum</i>	H	FAC	14.		
7. <i>P. pennsylvanicum</i>	S	FACU-	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: 7-15-06
 Community ID: Upland
 Plot ID: AR622A 552

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	5YR 3/4			Clay silt loam
6-12	B	7.5YR 3/3			Clay silt loam
12-18+	Bw	10YR 5/6			Clay silt loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR 622 A/B		Date: 7-15-06	Time:
Initials of Delineators: 3D		Location: Access Road to turbine 2	
Roll #:	Frames:	photo #6 => S	#7 => NW

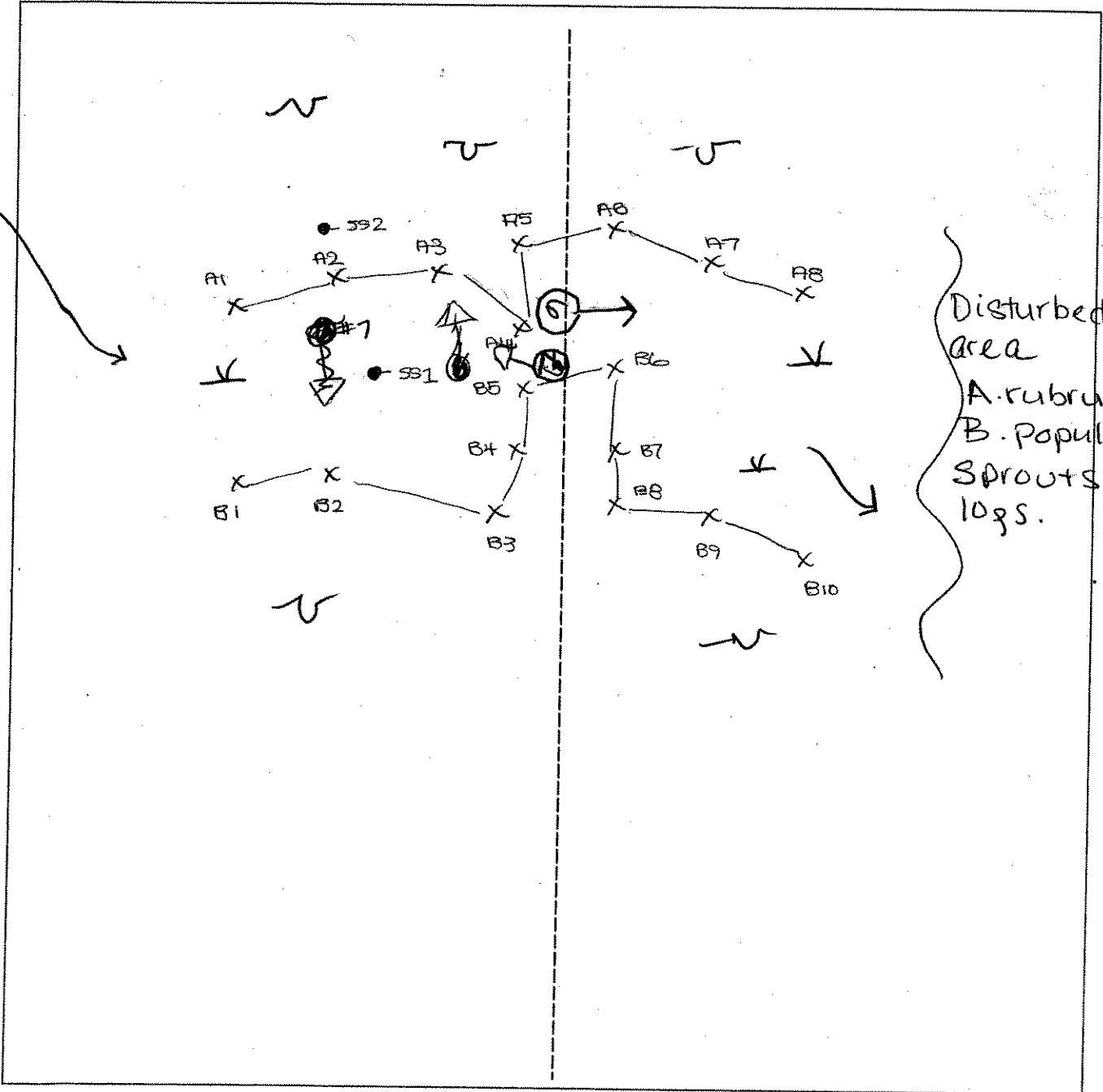


Photo Location/Direction	Legend	Wetland
Sample Station	Upland	Stream
Centerline	Intermittent Stream	N
Flag		

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

Wetland AR 623-661

D.G. A9

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BPR</i>	Date: <i>5/14/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <i>F40</i> Transect ID: Plot ID:

VEGETATION

AR 623 - A-Series - 551

Plant Community Classification:
 Percent Canopy Cover: Tree: *20.5* Shrub: *3.0* Herb: *65.0* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Grey Birch</i>	<i>Tree</i>	<i>FAC</i>	9.		
2. <i>Wetland Sphagnum</i>	<i>Sphagnum</i>	<i>FAC</i>	10.		
3. <i>Summit Fern</i>	<i>Herb</i>	<i>FACW</i>	11.		
4. <i>Associated Grass/Sedges</i>	<i>Herb</i>	<i>FACW</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks:
Associated Grass/Sedges Herb. due to seasonal conditions assumed FACW

HYDROLOGY

<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 <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)</p>
<p>Field Observations: Depth of Surface Water (in.): <i>3"</i> Depth to Free Standing Water in Pit (in.): <i>Surface</i> Depth to Saturated Soil (in.): <i>Surface</i></p>	
<p>Remarks:</p>	

Date: 5/14/06
 Community ID: PFD
 Plot ID:

P2 623-A-Survey 881 D.6 A9

SOILS

Map Unit Name _____ Drainage Class: P0
 (Series and Phase): N/A
 Taxonomy (SubGroup): N/A
 Field Observations
 Confirm Mapped Type? Yes No

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10Y2.3/1	None	None	FSL
6-16"	Bw ₁	2.5Y5/2	10Y2.4/6	com/mud/Dist.	S.L

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks: well defined boundary

Upland

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

AZ 623-802
V.O. AGENCY AG

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: BPR	Date: 5/14/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PFO Transect ID: Plot ID: AZ 623-D-Scrub-852

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 63.0 ^{Scrub} Shrub: 38.0 Herb: 20.5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Sugar Maple	Tree	FACU	9.		
2. Ash	Tree	FACU	10.		
3. Gray Birch	Tree	FAC	11.		
4. Black Cherry	Shrub	FACU	12.		
5. Redstart	Shrub	FACU	13.		
6. Sugar Maple Sedge	Herb	FACU	14.		
7. Noddy	Herb	FACU	15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/7 = 14

Remarks:

HYDROLOGY

<p>Recorded Data (Describe in Remarks):</p> <p><input type="checkbox"/> Stream, Lake, or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators: none</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift lines</p> <p><input type="checkbox"/> Sediment Deposits</p> <p><input type="checkbox"/> Drainage Patterns In Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): none</p> <p>Depth to Free Standing Water in Pit (in.): > 16"</p> <p>Depth to Saturated Soil (in.): > 12"</p>	
Remarks:	

Date: 5/14/06
 Community ID: 7FD
 Plot ID:

02 623-A Gued SS2 U.G. 77

SOILS

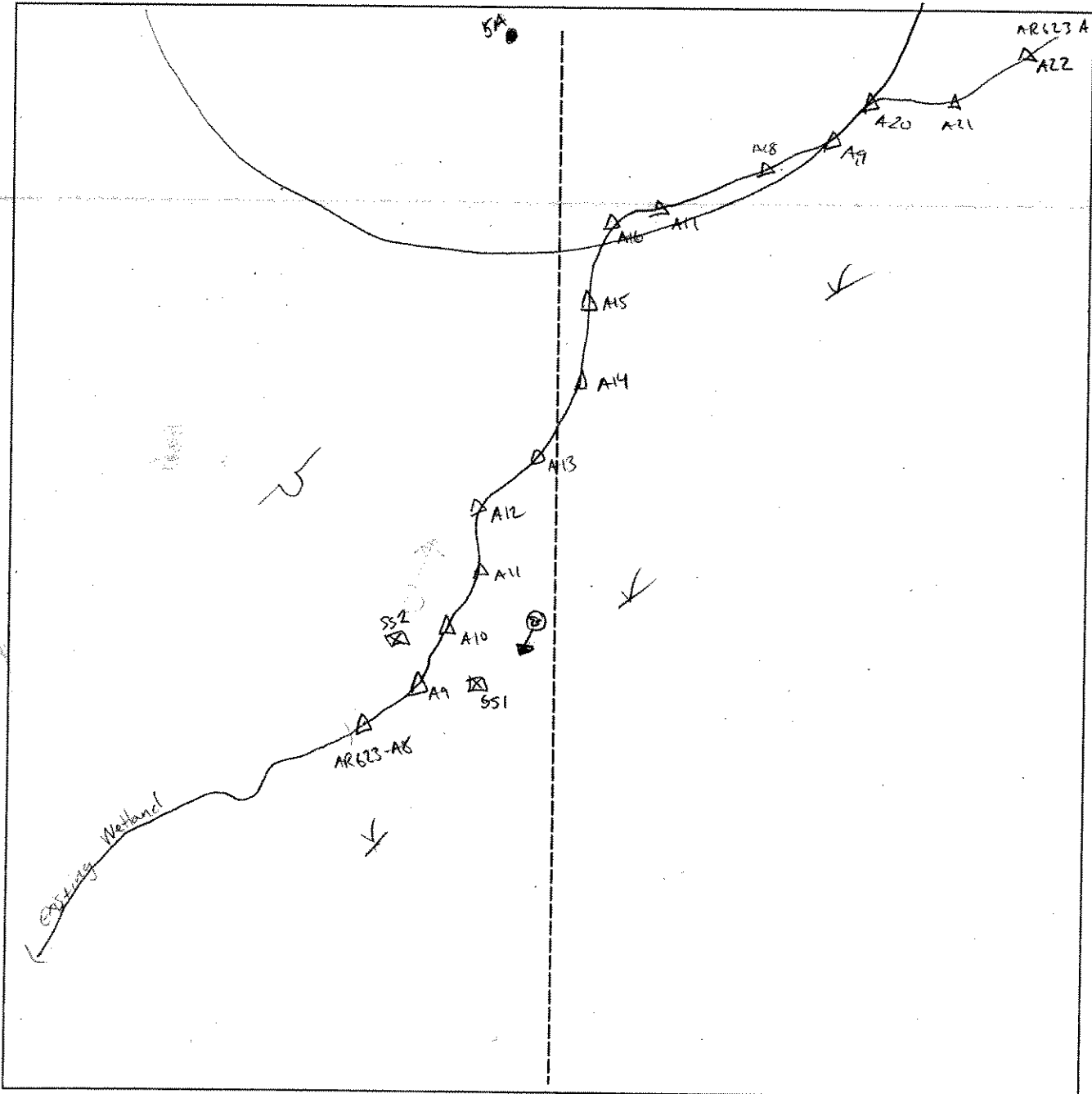
Map Unit Name (Series and Phase): <i>n/p</i>		Drainage Class: <i>mud</i>			
Taxonomy (SubGroup): <i>n/p</i>		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-3</i>	<i>bp</i>	<i>10YR 3/2</i>	<i>none</i>	<i>none</i>	<i>FGC</i>
<i>3-16</i>	<i>bw</i>	<i>10YR 3/6</i>	<i>none</i>	<i>none</i>	<i>FGC</i>
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: AR623 A line	Date: 5-13-06 5-14-06
Initials of Delineators: BR DO	Location: Marble River
Roll #: Frames: 93: Looking SW inside AR623	



Legend	
<ul style="list-style-type: none"> Photo Location/Direction Sample Station Centerline Flag 	<ul style="list-style-type: none"> Wetland Upland Stream Intermittent Stream

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ, AMS</u>	Date: <u>12/7/05</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PSS/PFO</u> Transect ID: Plot ID: <u>AR625-A/B-SS</u>

VEGETATION

Plant Community Classification: <u>PSS/PFO on edge</u>						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>rush sp.</u>	<u>H</u>	<u>-</u>	
2. <u>B. alleghaniensis</u>	<u>T</u>	<u>FAC</u>	10.			
3. <u>Salix sp</u>	<u>S</u>	<u>FAC</u>	11.			
4. <u>Abrus</u>	<u>S</u>	<u>FAC</u>	12.			
5. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	13.			
6. <u>Cornus (red)</u>	<u>S</u>	<u>FAC</u>	14.			
7. <u>Cattail</u>	<u>H</u>	<u>OBL</u>	15.			
8. <u>Carex sp.</u>	<u>H</u>	<u>-</u>	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <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 type="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>Not recorded</u>	

Date: 12/7/05
 Community ID:
 Plot ID: AR625 A/B-SSI

SOILS

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

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

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

Remarks: Not recorded

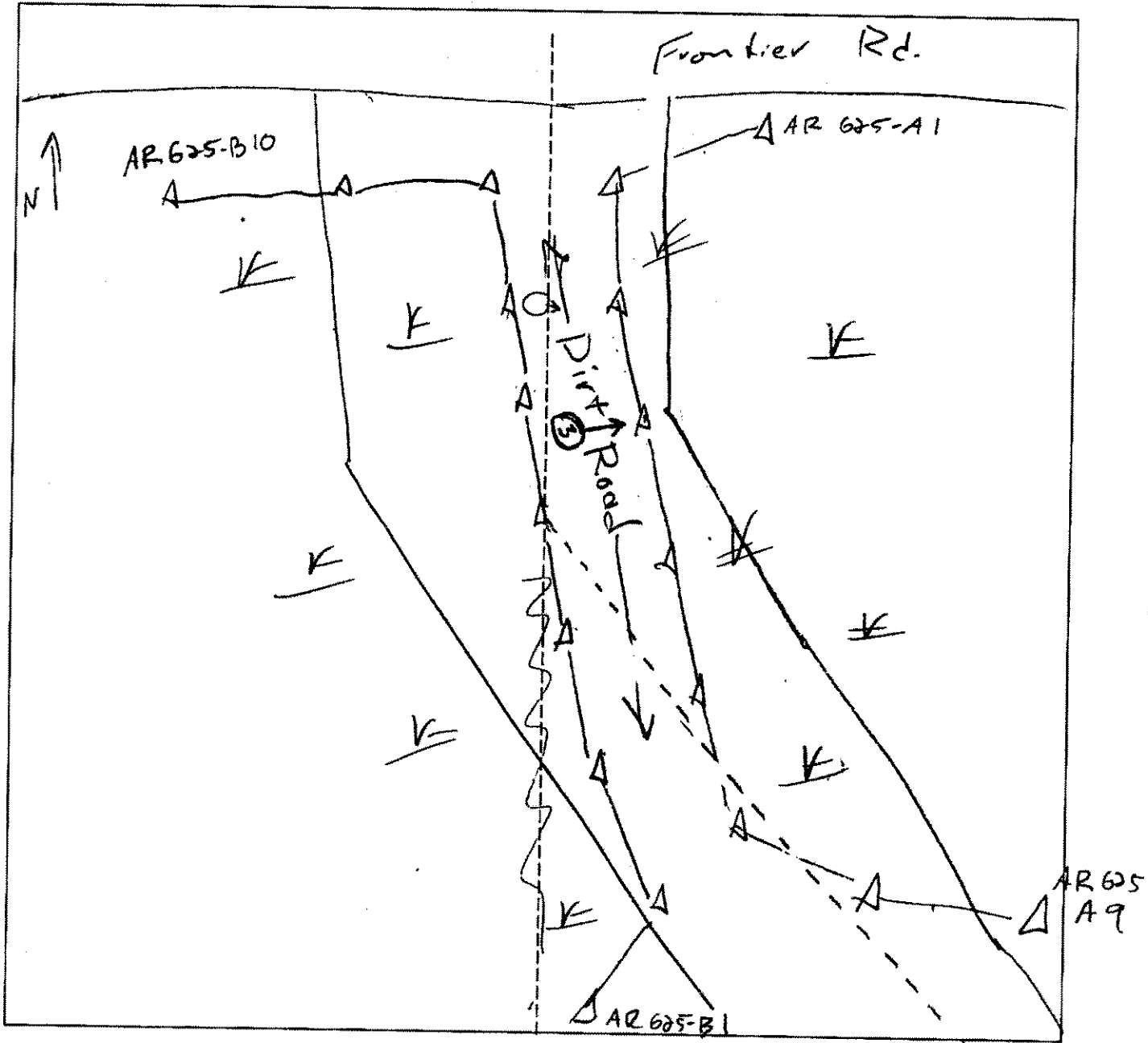
WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" 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 WL on both sides of road
 Snow cover

SKETCH FORM

Wetland ID/Route #: AR 625	Date: 12-7-05	Time:
Initials of Delineators: BQ	Location: Clinton NY	
Roll #: AMS	Frames: 3	



Legend

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ AMS</u>	Date: <u>12/10/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>PFO</u> Transect ID: Plot ID: <u>AR630 N/B-SS1</u>

VEGETATION

Plant Community Classification: <u>PFO</u>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>			9.		
2. <u>P. serotina</u>			10.		
3. <u>Populus</u>			11.		
4. <u>Uib. withrad</u>			12.		
5. <u>Cornus Red Osier</u>			13.		
6. <u>S. latifolia</u>			14.		
7. <u>B. pop</u>			15.		
8. <u>Bulbus sp</u>			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 12/10/05
 Community ID: PFO
 Plot ID:

AR 630 A/B SSI

SOILS

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

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

Hydro Soil Indicators

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

Remarks: Spodosols observed ; No profile description

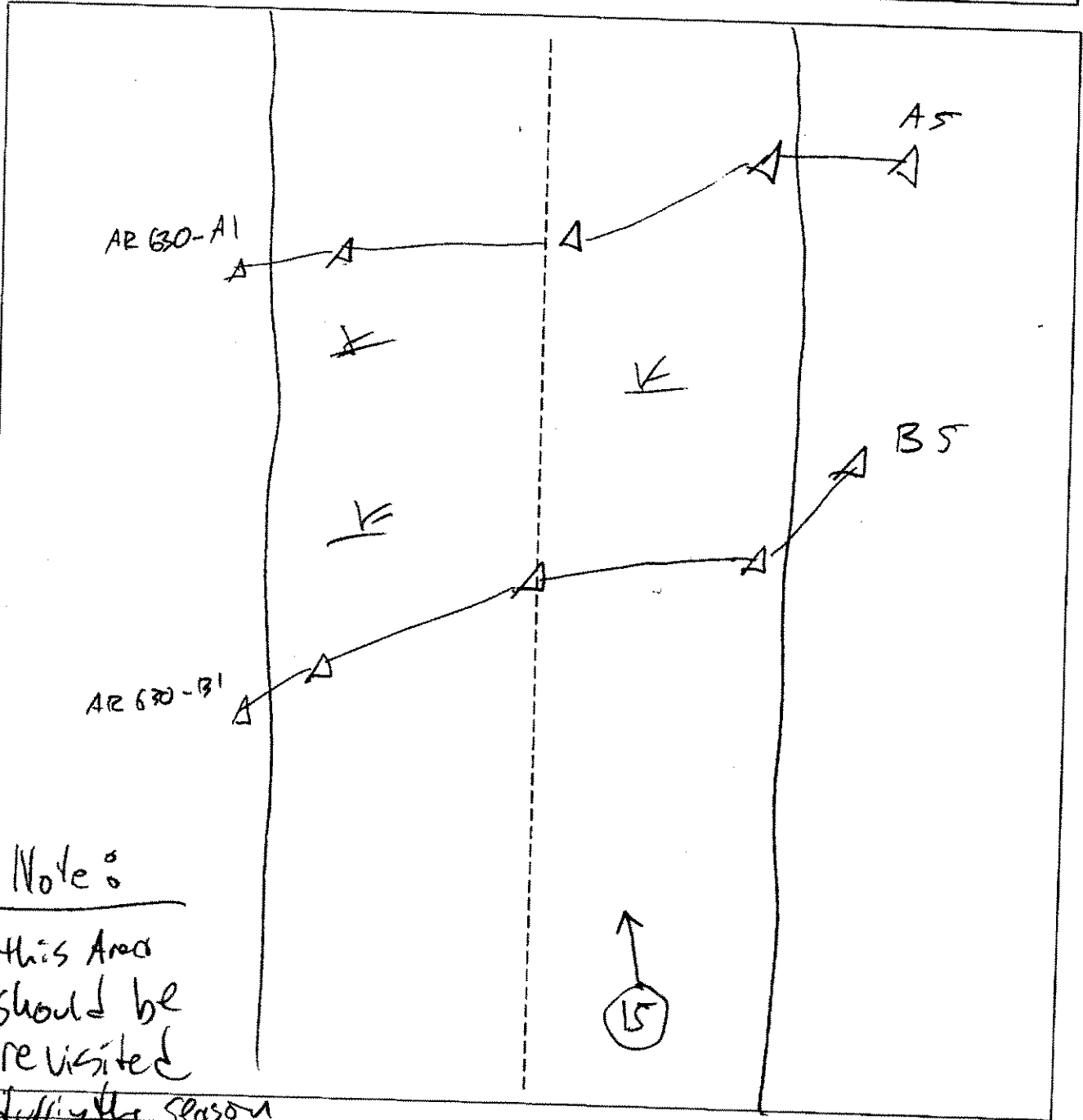
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR 630	Date: 12-8-05 Time:
Initials of Delineators: BQ	Location: Clinton NY
Roll #: AMS covered	Frames: 15



Notes

This Area
should be
revisited

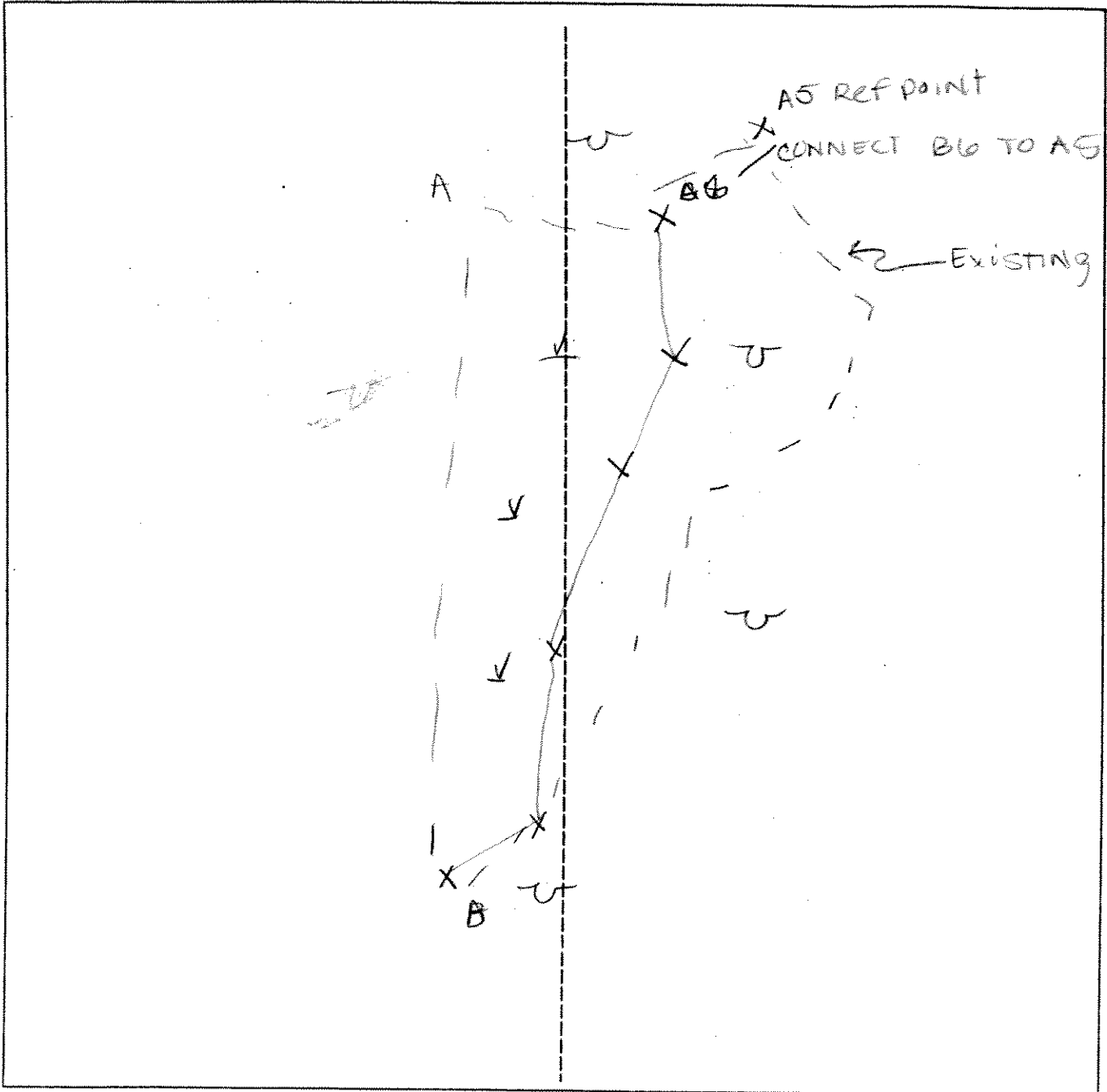
during the season

Legend

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

SKETCH FORM

Wetland ID/Route #: AR630 A/B	Date: 10/9/06	Time:
Initials of Delineators: IB JV	Location: T. 81 on AR	
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)

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 6 May 07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <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: AR630 AB Transect ID: Plot ID: PFO1

VEGETATION

Plant Community Classification: Red maple mesic					
Percent Canopy Cover: Tree: 60 Shrub: 40 Herb: 50 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Betula populifolia	T	FAC	10.		
3. Abies balsamea	S	FAC	11.		
4. Viburnum lentago	S	FAC	12.		
5. Erythronium americanum	H	FAC	13.		
6. Scirpus sp.	H	FACW*	14.		
7. Athyrium filix-femina	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: cannot id due to time of year					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated in spot 0 <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands 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.): < 1" in spots Depth to Free Standing Water in Pit (in.): 5" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/6/07
 Community ID: PPT
 Plot ID: AR630 AB 581

SOILS

Map Unit Name: AR630 AB
 (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 2/2			organics
2-10	A	10YR 2/1			site
0-10	B ₁	2.5Y 4/1			clay
10-14	B ₂	2.5Y 4/3			site 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: oxidized root channels in B. no prevalent mottling obs.

WETLAND DETERMINATION

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

Remarks: (2) woodpecker tapping tree to S
 (2) small white birds, blk throat
 photo 1 = SW

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/6/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR630 AB 552</u>

EXT

VEGETATION

Plant Community Classification: <u>Early Successional Woods</u>					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>35</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acerrubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Coptis gwelardica</u>	<u>H</u>	<u>FAC</u>
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	11.		
4. <u>Ailburnum lentago</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Athyrium Felix Femina</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Thalictrum canadensis</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Mitchella repens</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Moss sp</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/6/07
 Community ID: UPL
 Plot ID: AR6030 AB-SS2

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			organics
2-5	A	7.5YR 2.5/1			silt loam
5-12	B	6.5YR 4/4	10YR 6/6	few, faint, 1/16"	loam

Hydro Soil Indicators

- 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: oxidized root channels 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 Upland slopes SE into WL. Definite change in plant species and hydrology. (Refer to AR603 AB SSI)

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

Project Site: Tri-Lakes MARSH RIVER	Date: 5-2-06
Applicant/Owner: New York Power Authority MARSH RIVER, LLC	County: Clinton Clinton
Investigator: JV KH NO RD	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: WETLAND Transect ID: Plot ID: AR100A-SS1
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

VEGETATION

Plant Community Classification: PSS	Tree: 1%	Shrub: 90%	Herb: 95%	Vine: 0	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red Osier	S	FACW+	9.		
2. Silky Willow	S	OBL	10.		
3. Speckled Alder	S	FACW+	11.		
4. Sensitive Fern	H	FACW	12.		
5. Lurid Sedge	H	OBL	13.		
6. Meadow Sweet	S	FACW+	14.		
7. Grey Birch	T	FAC	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

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

Date: 5-2-06
 Community ID: WERAN
 Plot ID: AR 700A-SS1

SOILS

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

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

Hydro Soil Indicators

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

Remarks:

refusal @ 6"

WETLAND DETERMINATION

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

Remarks

Photo 1

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

Project Site: T ^{as} <u>MARSH RIVER</u>	Date: <u>5-2-06</u>
Applicant/Owner: Ne. <u>MARSH RIVER LLC</u>	County: Warren <u>Clinton</u>
Investigator: <u>JV KH UU RH</u>	State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>UPLand</u> Transect ID: Plot ID: <u>AR 700A SS-2</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <u>10%</u> Herb: <u>95%</u> Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Milkweed	H	UPL	9.		
2. Burdock - giant	H	UPL	10.		
3. Grass sp.	H	UPL	11.		
4. Solidago sp.	H	—	12.		
5. Brambles sp.	S	—	13.		
6. Galium sp.	H	UPL	14.		
7. Dandelion	H	UPL	15.		
8. Grey Birch	T	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u>					
Remarks: <u>Grass is Poa sp.</u>					

HYDROLOGY

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

Date: 5-2-06
 Community ID: CPLM1
 Plot ID: AH 700A S52

SOILS

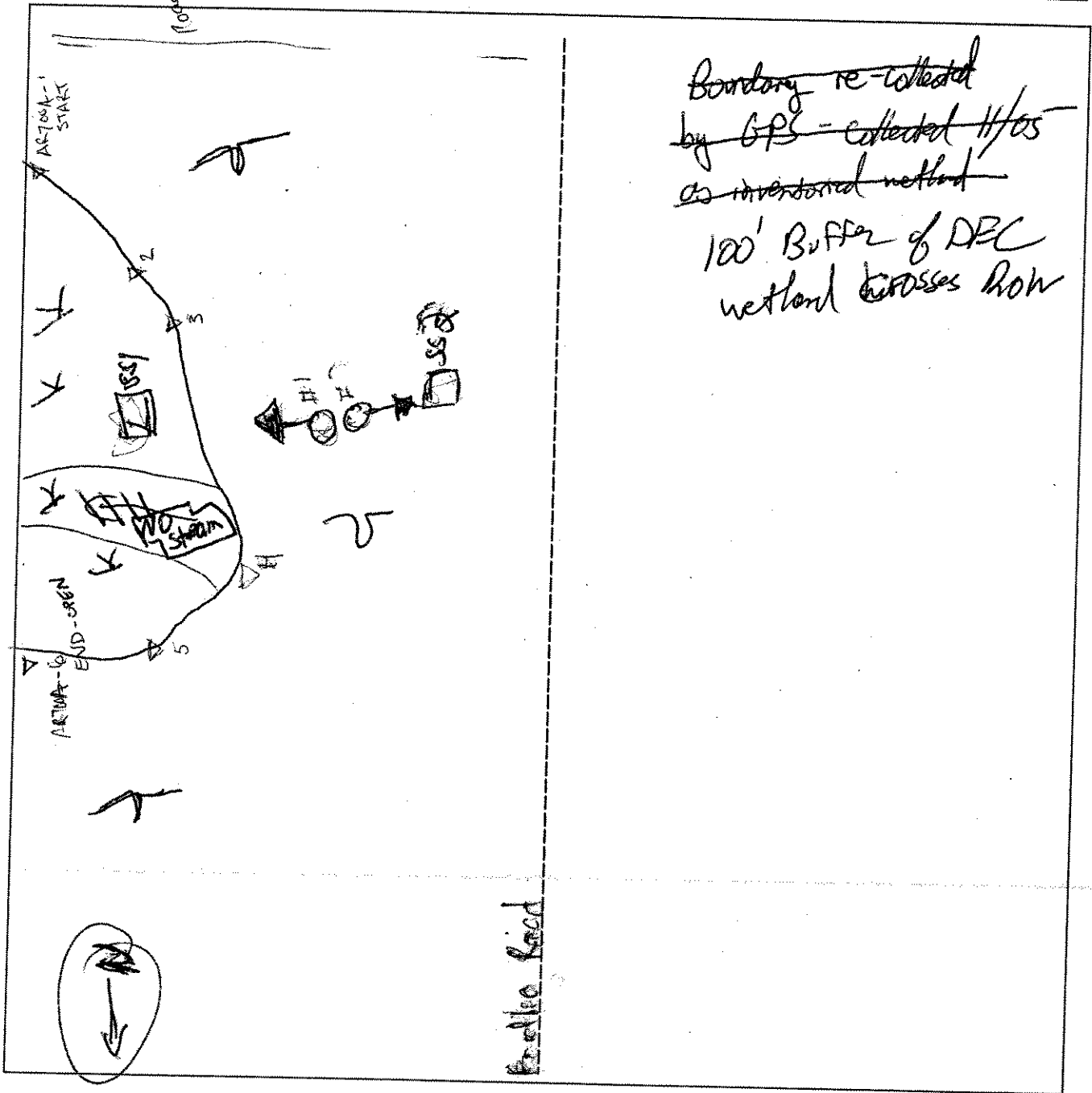
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10.5R 2/1			Loam
6-10	B	7.5YR 4/4			Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal @ 10"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks Photo 2			

SKETCH FORM

Wetland ID/Route #: <i>APN 700A</i>	Date: <i>5/2/06</i>	Time:
Initials of Delineators: <i>KH, RD, JV</i>	Location: <i>Marble River - Bortley Rd</i>	
Roll #: <i>KH</i>	Frames: <i>1, 2</i>	



~~Boundary re-collected~~
~~by GPS - collected H/05~~
~~as inventoried method~~
 100' Buffer of DEC
 wetland crosses now

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

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

RR700A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/9/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
Community ID: PSS Transect ID: Plot ID: RR700A - SSI AB599A	

VEGETATION

Plant Community Classification:
Percent Canopy Cover: Tree: 0 Shrub: 90 Herb: 05 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Arus rugosa</i>	S	FACW	9.		
2. <i>SALIX</i>	S	FACW	10.		
3. <i>Spirea latifolia</i>	S	FACW	11.		
4. <i>Rhus glabra</i>	H		12.		
5. <i>Solidago sp</i>	H		13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: cannot I.d due to time of year.

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 2+'' Depth to Free Standing Water in Pit (in.): 4'' Depth to Saturated Soil (in.): 8''	
Remarks:	

Date:
 Community ID:
 Plot ID: 881

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			Silt
2-16	A	10YR 2/1			loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> 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: saturation @ 0", standing H ₂ O impct @ 4"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/>	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/>	No	
Hydric Soils Present?	<input checked="" type="radio"/>	No	
Remarks: photos AR700 = E photo 599 = NE DEC WL			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/9/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: <u>ART00A</u> EXT Plot ID: <u>ARE99A</u> SSA

VEGETATION

Plant Community Classification: <u>Roadside</u>					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: <input checked="" type="checkbox"/> Herb: <u>95</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Galium</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Juniperum</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Solidago sp</u>	<u>H</u>	<u>---</u>	11.		
4. <u>grass sp</u>	<u>H</u>	<u>---</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u><50%</u>					
Remarks: <u>Cannot i.d due to season</u>					

HYDROLOGY

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

Date: 5/9/07
 Community ID: AR 700A 552
 Plot ID: AR 599A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 4/2			sand
3-15	B	10YR 4/3			sand

Hydro Soil Indicators

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

Remarks: soils are comprised of sand and fill
 >50% coarse fragments.

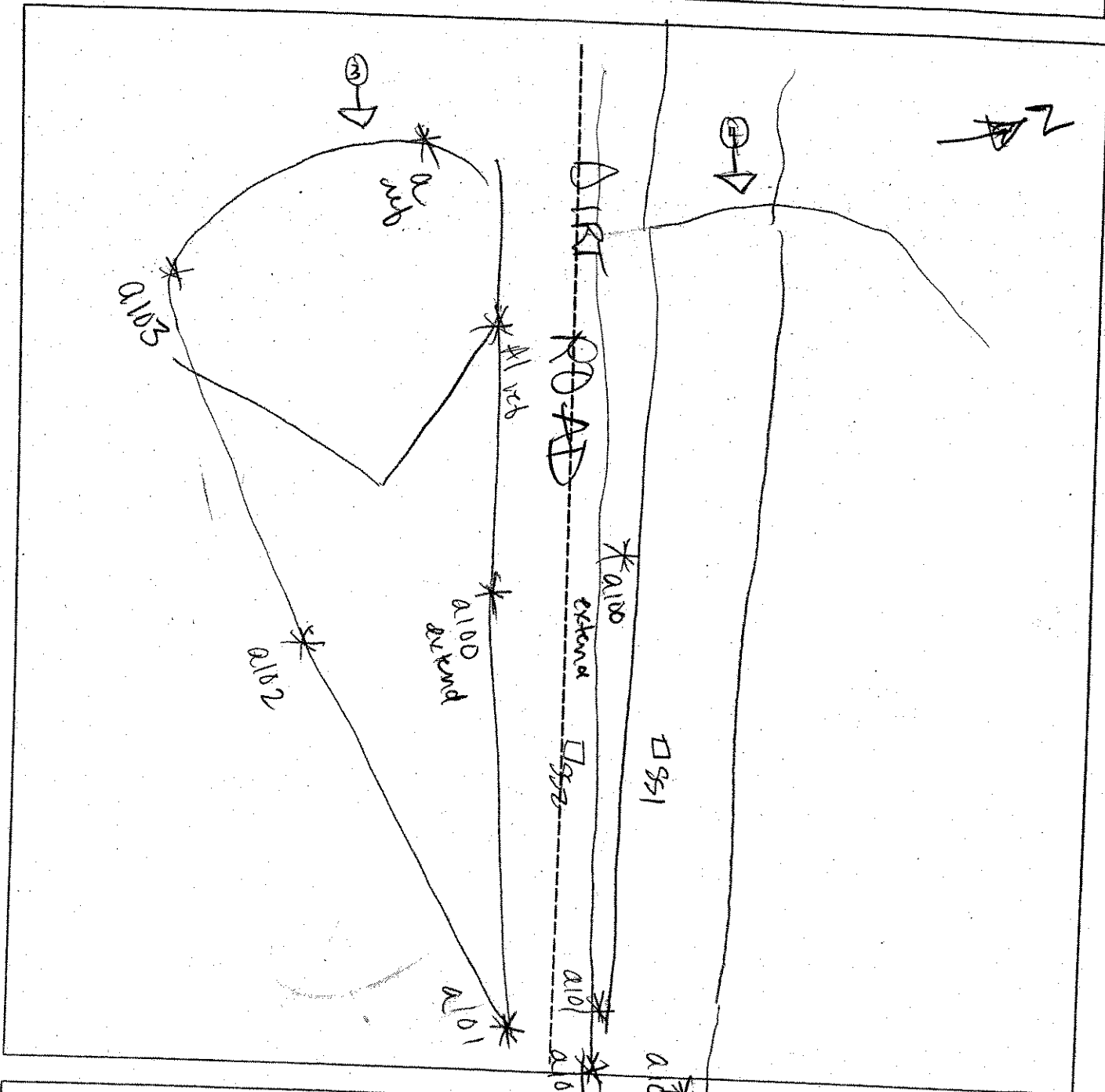
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: <u>AR 700A</u> ^{EXT} <u>AR 509A</u>		Date: <u>5/9/07</u>	Time:
Initials of Delineators: <u>JV</u> <u>AP</u>		Location: <u>Clinton Mills Road</u>	
Roll #:	Frames:		



Legend

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

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

Project Site: <u>MARBLE River</u> Applicant/Owner: <u>MARBLE River, LLC</u> Investigator: <u>JTD, JBT</u>	Date: <u>5/5/06</u> County: <u>Clyde</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetlands</u> Transect ID: <u>AR 701A/B</u> Plot ID: <u>SS1</u>

VEGETATION

PSS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>40-90%</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SALIX</u>	<u>S</u>	<u>WET</u>	9.		
2. <u>metastachyoides</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>IRIS sp.</u>	<u>H</u>	<u>WET</u>	11.		
4. <u>Juncus sp.</u>	<u>H</u>	<u>WET/FAC</u>	12.		
5. <u>Scirpus sp.</u>	<u>S</u>	<u>FAC?</u>	13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: observed sensitive fern? sterile but in other part of wetland.

HYDROLOGY

<p>Recorded Data (Describe in Remarks):</p> <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <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
<p>Field Observations:</p> <p>Depth of Surface Water (in.): <u>0.15</u></p> <p>Depth to Free Standing Water in Pit (in.): <u>1"</u></p> <p>Depth to Saturated Soil (in.): <u>0"</u></p>	<p>Secondary Indicators (2 or more required):</p> <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<p>Remarks:</p>	

Date: 5/5/06
 Community ID: WETLANDS
 Plot ID: AL701A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR4/2	10YR5/6	Com/Fine/High	Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					
- Oxidized Rhizospheres in upper 48" - mottling in lower 8-18"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: OLD FARM FIELD. w/ scattered silt sp. dense patch of field - non hydric soil & no evidence of hydrology central patch of field (AL701A) saturated soils & low chroma soils w/ mottles.			

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

Project Site: <u>MARZIE RIVER</u> Applicant/Owner: <u>MARZIE RIVER, LLC</u> Investigator: <u>RPS, RT</u>	Date: <u>5/5/06</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>UPLAND</u> Transect ID: <u>AR701 A/B</u> Plot ID: <u>552</u>

VEGETATION EARLY SUCCESSIONAL

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>50%</u>	Herb: <u>100%</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW+</u>	9. <u>Hawk weed</u>	<u>H</u>	<u>UPL</u>
2. <u>Yarrow</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>Solidago sp</u>	<u>H</u>	<u>—</u>	11.		
4. <u>Bramble</u>	<u>S</u>	<u>UPL</u>	12.		
5. <u>Q ASPEN</u>	<u>S</u>	<u>FACU</u>	13.		
6. <u>BRAM SP</u>	<u>H</u>	<u>—</u>	14.		
7. <u>VA CUCKER</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>POACEAE</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>15%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5/5/06
 Community ID: UPLANDS
 Plot ID: AL70A1B

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-18	A	10YR 4/3	—	—	Silt / clay

Hydro Soil Indicators

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

Remarks:

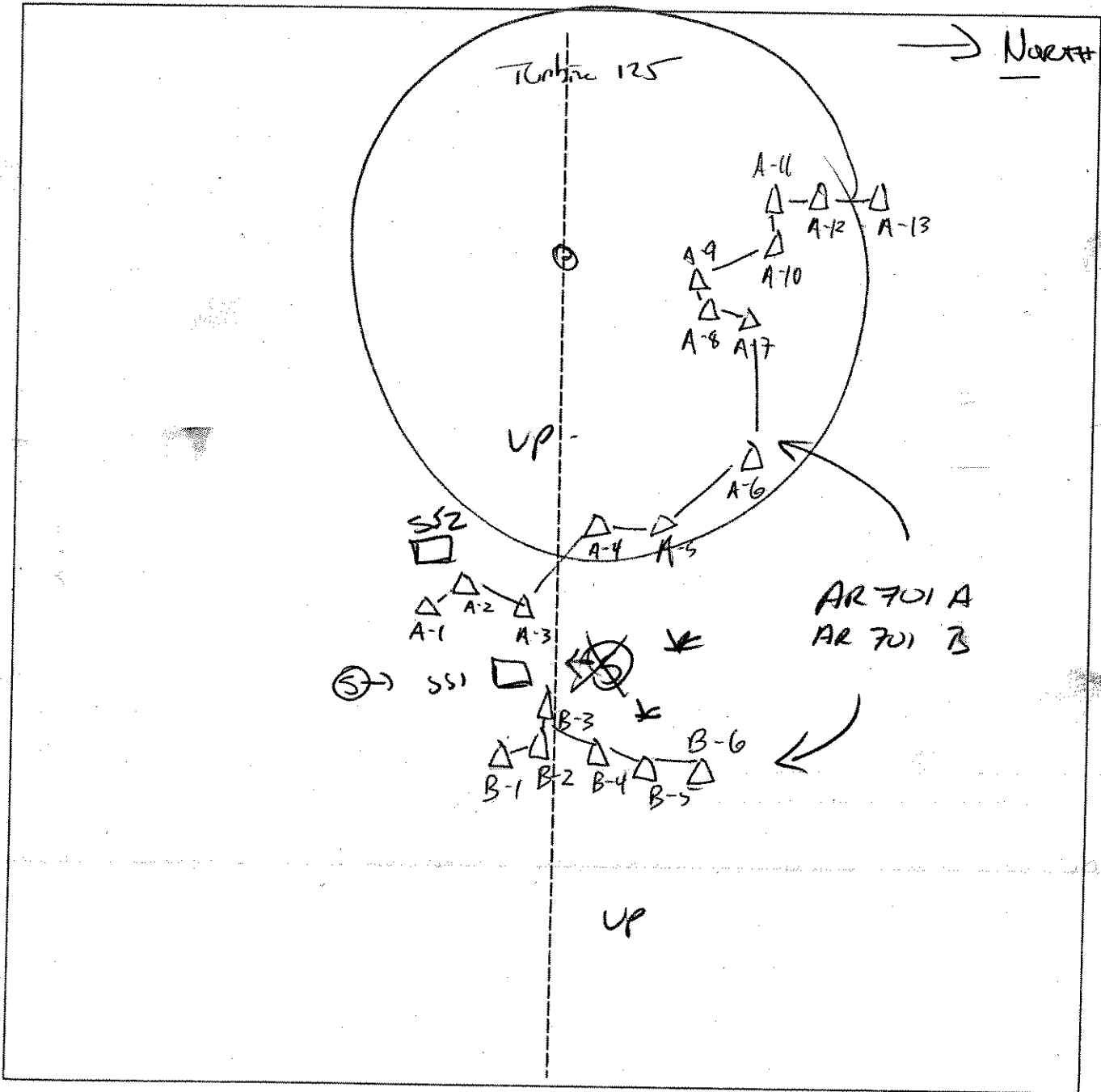
WETLAND DETERMINATION

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

Remarks:

SKETCH FORM

Wetland ID/Route #: <i>Access Road between Turbine 125 & 126</i>	Date: <i>5/5/06</i>	Time: <i>1600</i>
Initials of Delineators: <i>B.D. R.J.</i>	Location: <i>EAST of Turbine 125</i>	
Roll #:	Frames: <i>photo 5 → 8 at AR</i>	



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

Date: 10 May 07
 Community ID: ART01 A
 Plot ID: SSI

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	D	10YR 2/1			
1-12	A	10YR 5/4	10YR 3/6	distinct, many, md.	clay

Hydro Soil Indicators

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

Remarks: saturation @ 6", ORC, no standing H₂O on pit

WETLAND DETERMINATION

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

Remarks: photo 2 = N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR701-AB-SS2

EXTENSION

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: 60 Shrub: 20 Herb: 45 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus tremuloides</i>	T	FACU	9.		
2. <i>Viburnum lentago</i>	S	FAC	10.		
3. <i>Spiraea latifolia</i>	S	FAC	11.		
4. <i>Fragaria</i>	H	FACU	12.		
5. <i>Aster</i> sp	H	—	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): < 50%.					
Remarks: Can not l.d. due to season					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: 5/10/07
 Community ID: UPL
 Plot ID: AR 701 AB 552

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			
2-8	A	2.5Y 4/2			clay loam
8-14	B	10YR 5/6	5Y 6/2	common, distinct, ind.	clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> 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: ORCs: organic streaking in B,

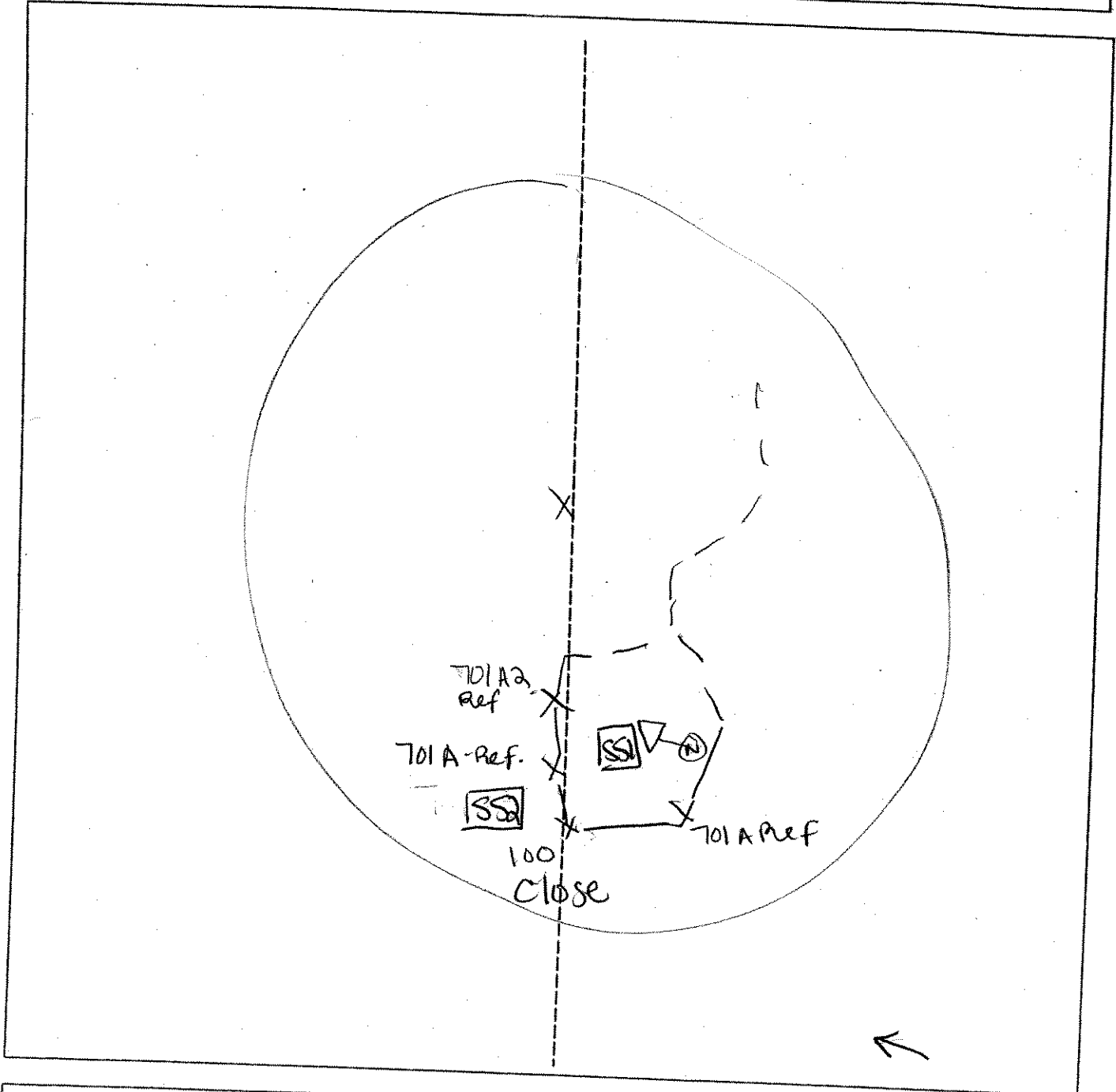
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR 701 AB EXTENSION	Date: 5/9/07	Time:
Initials of Delineators: JV AP	Location: T. 125	
Roll #: Frames: a = N		



<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>Horizon Wind Power LLC</u> Investigator: <u>KHJV RJ</u>	Date: <u>5-1-00</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>AR702 A 351</u> Transect ID: <u>Wetland (PSS)</u> Plot ID:

VEGETATION

Plant Community Classification: <u>PSS</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>85</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Redstart Sweet</u>	<u>5</u>	<u>FACW+</u>			
2. <u>Silky willow</u>	<u>5</u>	<u>OBL</u>			
3. <u>Cat tail</u>	<u>4</u>	<u>OBL</u>			
4. <u>Grass sp</u>	<u>4</u>	<u>-</u>			
5.					
6.					
7.					
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

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

Date: 5-7-06
 Community ID: Wetland PSS
 Plot ID: AR702A SSI

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A ₁	2.5Y-5/1			Sandy Clay
6-18	A ₂	2.5Y-4/1	10YR-4/6	many/coarse/faint	Sandy Clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>RHSV RT</i>	Date: <i>5-7-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? 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>AR702A-SS2</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>* Shared upland point w/ AR618A SS2 See AR618A SS2 Data Sheet</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:	

Date: 5-7-06
 Community ID: upland
 Plot ID: AR702A - 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:					

WETLAND DETERMINATION

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

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

Project Site: <u>MARSH RIVER</u>	Date: <u>5/8/06</u>
Applicant/Owner: <u>MARSH RIVER, LLC</u>	County: <u>Clinton</u>
Investigator: <u>AD, RT</u>	State: <u>VT</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WETA.1</u> Transect ID: <u>AR703A</u> Plot ID: <u>-SS1</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) <u>Logged Area (not recent)</u>	

VEGETATION

PEM w/ scattered SS

Plant Community Classification:					
Percent Canopy Cover: Tree: <input checked="" type="checkbox"/> Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Sensitive fern</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>S. Elymus</u>	<u>H</u>	<u>FACW+</u>	10.		
3. <u>meadowweet</u>	<u>S</u>	<u>FACW</u>	11.		
4. <u>Steeplebush</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Carex lucida</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Carex sp</u>	<u>H</u>	<u>-</u>	14.		
7. <u>Sparganium</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>water was observed in other portions of wetland</u> <u>* Not listed; presumed to be OBL</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>∅</u> Depth to Saturated Soil (in.): <u>∅</u>	
Remarks:	

Date: 5/8/06
 Community ID: AR703A
 Plot ID: SSI

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	
0-9	A	10YR 4/1	10YR 2/6	6m/Fac/Dist	Silty clay
9-18	A	10YR 6/5	10YR 5/8	mm/med/prop	Clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>MARBLE RIVER</i> Applicant/Owner: <i>MARBLE RIVER LLC</i> Investigator: <i>RTD, JH</i>	Date: <i>5/8/06</i> County: <i>CLINTON</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: <i>UPLANDS</i> Transect ID: <i>AR703</i> Plot ID: <i>552</i>

VEGETATION *Early successional open field*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>35%</i> Herb: <i>100%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Marsh Sedge</i>	<i>S</i>	<i>FACW</i>	<i>9.</i>		
<i>2. Grass sp. (arise)</i>	<i>H</i>	<i>-</i>	<i>10.</i>		
<i>3. CA. Creeper</i>	<i>H</i>	<i>FACU</i>	<i>11.</i>		
<i>4. Rough leaved gopher</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Dandelion</i>	<i>H</i>	<i>FACU</i>	<i>13.</i>		
<i>6. Buttercup</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>20%</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="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:

Upland

Date: 5/8/06
Community ID: AL703A
Plot ID: SS2

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-18	A	10R 4/4	—	—	st clay lam

Hydro Soil Indicators

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

Remarks:

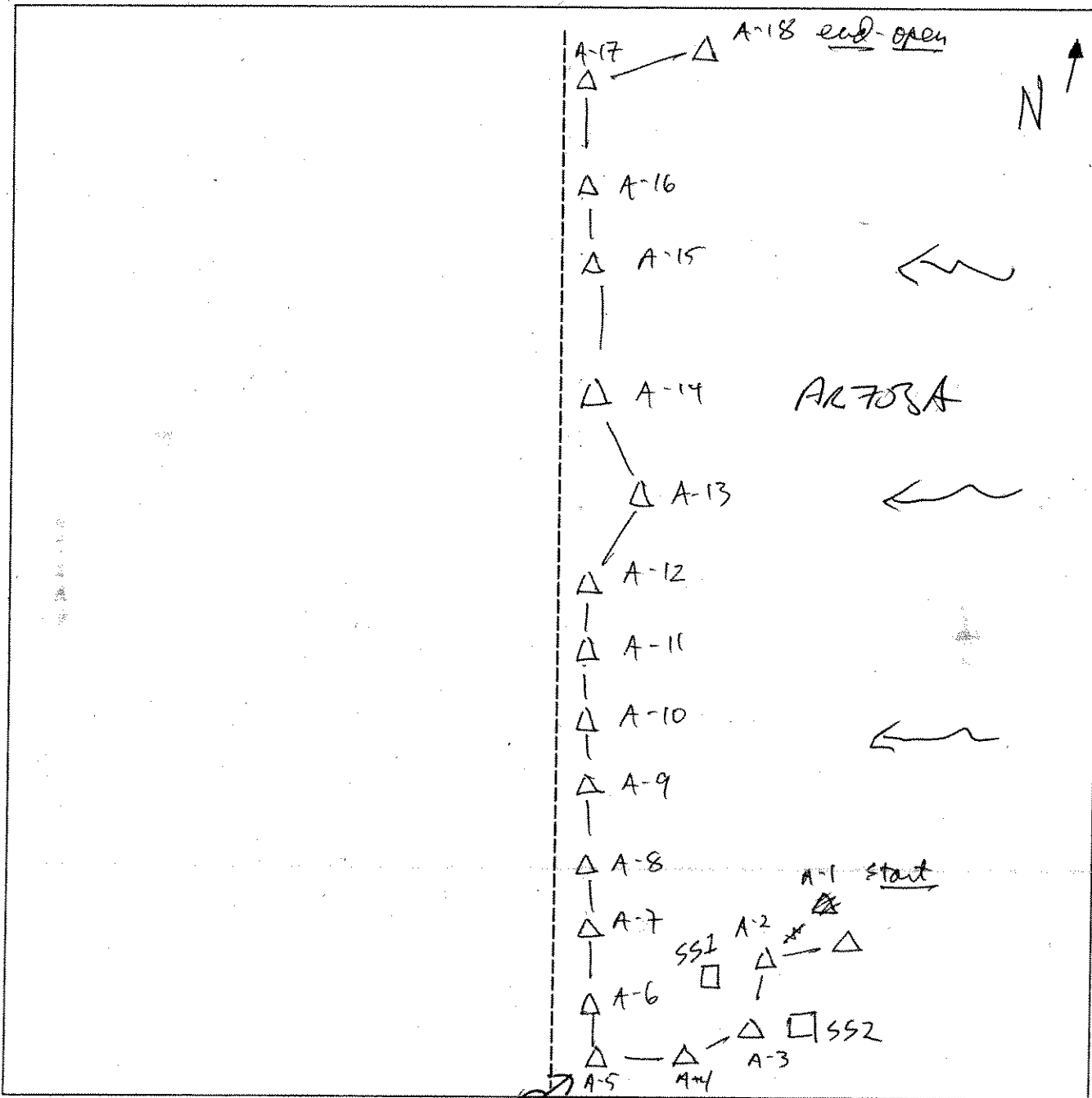
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR 703A	Date: 5/8/06	Time: 12:00
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: photos 3 @ AR 703A ⇒ NE	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RJD SC LP	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <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: AR703-A-01E Plot ID: 553

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: \emptyset Shrub: 15 Herb: 90 Vine: \emptyset					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. CAREX SP.	H		9.		
2. JUNCUS EFFLUSUS	H	FACW+	10.		
3. DARK GREEN BULRUSH	H	FACW+	11.		
4. ASTER SP.	H		12.		
5.			13.		
6. SILKY WILLOW	S	OBL	14.		
7. SPIREA LATIFOLIA	S	FAC+	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): $4/6 = 67\%$					
Remarks: BONGBET (EUPATORIUM FERROLIATUM)					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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.): (2" IN PLACES) Depth to Free Standing Water in Pit (in.): 12" IN PIT Depth to Saturated Soil (in.): 0 (SURFACE)	
Remarks:	

Date: 6/11/2007
 Community ID:
 Plot ID:

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 6/11/2007 County: Clinton State: NY
Do Normal Circumstances exist on the site? <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: ARTO3A Plot ID: 334

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: \emptyset Shrub: 35 Herb: 95 Vine: \emptyset					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. MEADOWSWERT	S	FAC+	9. STRAWBERRY	H	UPL
2. BETULA POPULIFOLIA	S	FAC	10.		
3. POPULUS TRENULOIDES	S	FACU	11.		
4. COW VETCH	H	UPL	12.		
5. SOLIDAGO RUBROSA	H	FAC	13.		
6. " CANADENSIS	H	FACU	14.		
7. TRIFOLIUM PRATENSE	H	FACU -	15.		
8. WOOD SORREL	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/9 = 33%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 8/11/2007
 Community ID: UPLAND
 Plot ID: 554

SOILS

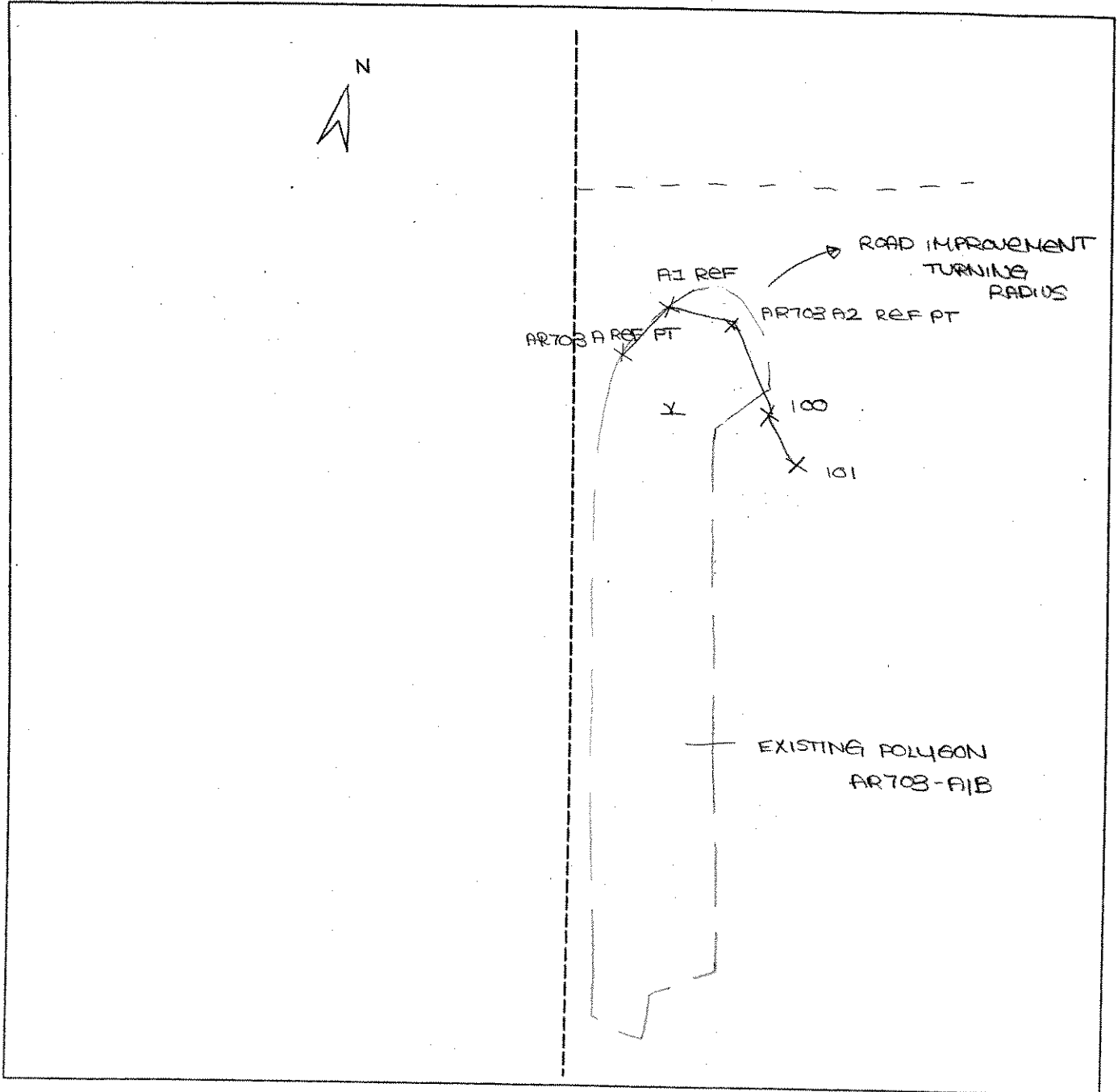
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9		10YR 4/3			CLAY
9-18		10YR 5/2	10YR 5/6	MANY / MED / DISTINCT	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
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 #: AR703-A	Date: 5/25/2007 Time:
Initials of Delineators: RJD	Location:
Roll #: Frames:	



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

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

Project Site: <u>MARDIE RIVER</u> Applicant/Owner: <u>MARDIE RIVER, LLC</u> Investigator: <u>J&D, PJ</u>	Date: <u>7/1/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <u>Yes</u> Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> Is the area a potential Problem Area? <u>Yes</u> (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>AR710A</u> Plot ID: <u>SSI</u>

VEGETATION PFD/PSS

Plant Community Classification: <u>PFD/PSS</u>					
Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>60%</u> Herb: <u>75%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Taxus canadensis</u>	<u>T/S</u>	<u>FACU-</u>	9.		
2. <u>Rubus odoratus</u>	<u>T/S/H</u>	<u>FAC</u>	10.		
3. <u>Geococcyx</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>S. phaeocephalus</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Calluna sp.</u>	<u>H</u>	<u>-</u>	13.		
6. <u>maiden hair</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Bastard Willow</u>	<u>S</u>	<u>FACW</u>	15.		
8. <u>Aster sp.</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>7/10</u>					
Remarks: <u>Assume OBL</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>6" in places</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	Remarks: <u>MODEL AREA down flaps 6 & 7 possible connection to WTB119C line near #23</u> <u>Probe 2 SW at wetland from AR710A-3</u>

Date: 5/11/06
 Community ID: WORMS
 Plot ID: AR710A-SS1

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A ₁	10YR 2/1	—	—	Silt loam w/ organics
4-10	A₂ B ₁	10YR 4/2	—	—	SANDY CLAY
10-14	B₂ B ₂	10YR 3/6	—	—	SANDY CLAY

Hydro Soil Indicators

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

Remarks:
 Referred to layer at 14"

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>MAEDIE RIVER</u> Applicant/Owner: <u>MAEDIE RIVER, LLC</u> Investigator: <u>SPS, PA</u>	Date: <u>5/11/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
	Community ID: <u>Upland</u> Transect ID: <u>AR710A</u> Plot ID: <u>552</u>

VEGETATION Upland Decid Forest

Plant Community Classification:
 Percent Canopy Cover: Tree: 75% Shrub: 40% Herb: 60% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RED MAPLE</u>	<u>T1S1H</u>	<u>FAC</u>	9. <u>RED BUDGED DOGWOOD</u>	<u>H</u>	<u>FACU</u>
2. <u>GRAY BIRCH</u>	<u>T1S</u>	<u>FAC</u>	10. <u>FALSE SPANISH MOSS</u>	<u>H</u>	<u>FACU</u>
3. <u>CLUB MOSS</u>	<u>H</u>	<u>-</u>	11. <u>Sm White Trillium</u>	<u>H</u>	<u>FAC</u>
4. <u>Whorled Wood Aster</u>	<u>H</u>	<u>INDL</u>	12. <u>undisturbed herb</u>	<u>H</u>	<u>-</u>
5. <u>May flower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Bee-like-chrysan</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>DRACEN Fern</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>WOOD PERN</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 10/14

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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:	

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

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVERS LLC</u> Investigator: <u>BA BA</u>	Date: <u>3/11/06</u> County: <u>Clatsop</u> State: <u>OR</u>
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> No Is the area a potential Problem Area? <u>Yes</u> No (If needed, explain on reverse.)	Community ID: <u>WETLANDS</u> Transect ID: <u>AR7111</u> Plot ID: <u>SSI</u>

VEGETATION PFO

Plant Community Classification:
Percent Canopy Cover: Tree: 60 Shrub: 40 Herb: 60 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Gray birch</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>SPINAG mus</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>oak</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Red maple</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>maple</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>maple</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 17

Remarks:
x Assume OBL

HYDROLOGY

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

Date: 5/11/06
 Community ID: WETLANDS
 Plot ID:

AL711B-SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR2/1	-	-	*STFW/ORGANICS

Hydro Soil Indicators

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

Remarks: ** BLACK muck w/ splays ORGANICS*

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>MARBLE RIVER</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>PAUL AT</u>	Date: <u>5/11/06</u> County: <u>Clay</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <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>UP1M15</u> Transect ID: <u>AR7118</u> Plot ID: <u>-552</u>

VEGETATION upland decid forest

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>60</u>	Shrub: <u>40</u>	Herb: <u>30</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S/H</u>	<u>FAC</u>	9. <u>Sweet gum</u>	<u>S/H</u>	
2. <u>Gray birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>May flower</u>	<u>H</u>	<u>FAC-</u>	11.		
4. <u>Trait lily</u>	<u>H</u>	<u>EP*</u>	12.		
5. <u>WOOD FERN</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Striped maple</u>	<u>L/H</u>	<u>FACU</u>	14.		
7. <u>Open</u>	<u>T</u>	<u>FACU</u>	15.		
8. <u>BRACKEN FERN</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>5/10</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: 5/11/06
 Community ID: Upland
 Plot ID: AR71B-SSQ

SOILS

Map Unit Name (Series and Phase): Taxonomy (SubGroup):	Drainage Class: Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	—	—	ORGANIC
3-9	A	2.5YR 5/1	—	—	loamy sand

Hydro Soil Indicators

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

Remarks:

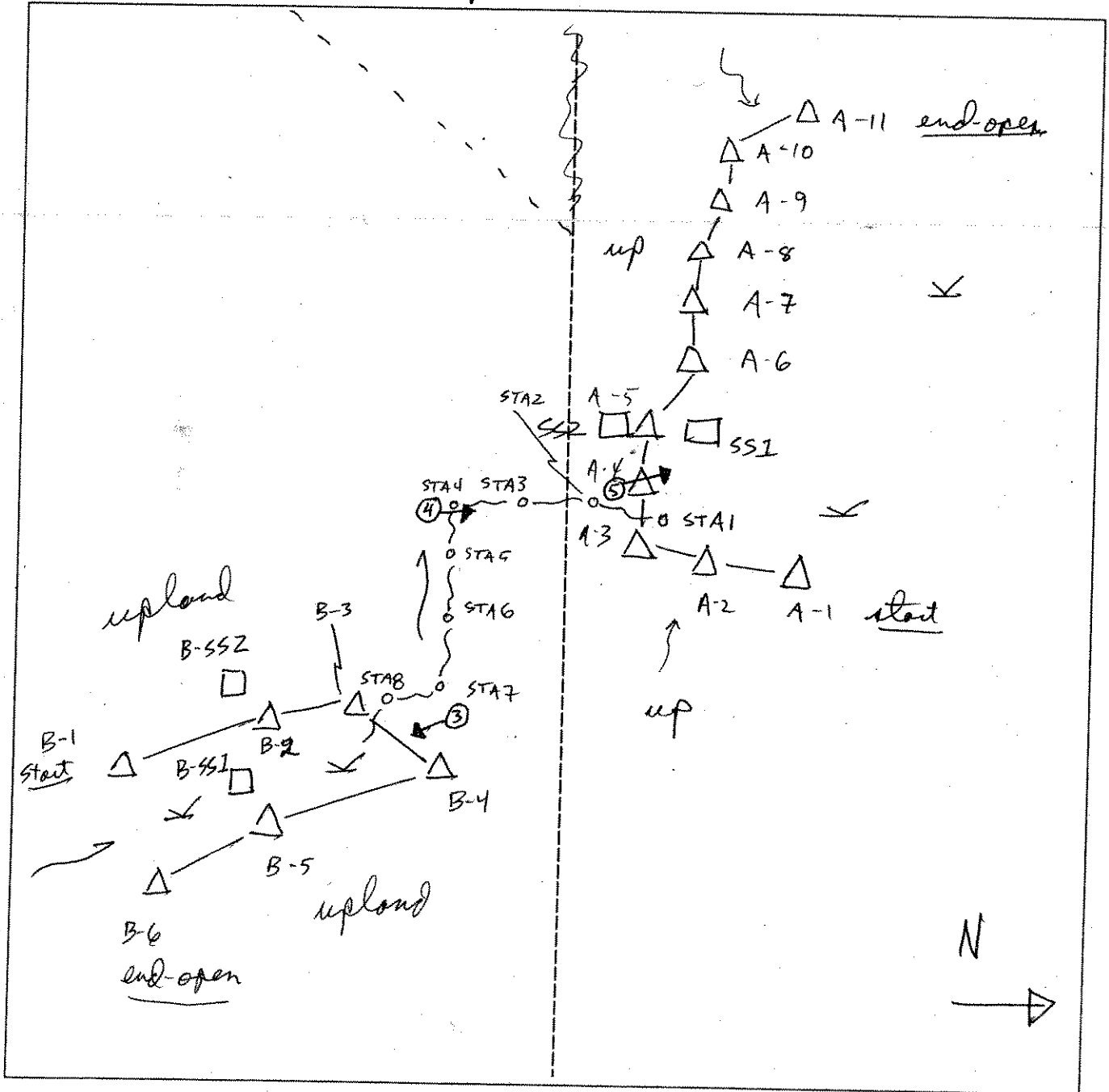
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR711A/B	Date: 2/5/11/06	Time: 2:40
Initials of Delineators: RD-RJ	Location:	
Roll #:	Frames: photo 3 facing SE up wetland; photo 4 facing N down stream; photo 5 facing NNW to wetland	



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

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

Project/Site: <u>Morhe River Wind</u> Applicant/Owner: <u>Morhe River, LLC</u> Investigator: <u>BQ</u>	Date: <u>5/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WET</u> Transect ID: _____ Plot ID: _____ <u>AR 713 - B-551</u>

VEGETATION

	Dominant Plant Species	Stratum	Indicator		Dominant Plant Species	Stratum	Indicator
*	1 <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9			
	2 <u>Fraxinus americana</u>	<u>T</u>	<u>FACU</u>	10			
*	3 <u>Alnus rugosa</u>	<u>sh</u>	<u>FACW+</u>	11			
*	4 <u>Viburnum dentatum</u>	<u>sh</u>	<u>FAC</u>	12			
*	5 <u>Viburnum trilobum</u>	<u>sh</u>	<u>FACU</u>	13			
	6 <u>Prunus serotina</u>	<u>sh</u>	<u>FACU</u>	14			
	7 <u>Bed. racemosa</u>	<u>cl.</u>	<u>FAC-</u>	15			
*	8 <u>Styracium</u>	<u>H</u>	<u>OBL</u>	16			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):				<u>63%</u>			
Remarks:							

HYDROLOGY

<input type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: <u> </u> (in.) Depth to Free Water in Pit: <u>3</u> (in.) Depth to Saturated Soil: <u>Surface</u> (in.)	Remarks:

SOILS

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

Field Observations Confirm Mapped Type? YES NO

Profile Description:

Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-a	A/O	2.5Y 3/1			Mucky mineral
9-12"	B _g	2.5Y 6/2	2.5Y 5/6	75%	faded loam

Hydric Soil Indicators:
 - low chroma colors
 - high organic matter content in A

Remarks:

WETLAND DETERMINATION

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

Remarks:

Approved by HQUSACE 3/92

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

Project/Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>BQ</u>	Date: <u>5/16/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: _____ Plot ID: _____ <u>AR 713-B-552</u>

VEGETATION

#	Dominant Plant Species	Stratum	Indicator	#	Dominant Plant Species	Stratum	Indicator
1	<u>W. Ash</u>	<u>T</u>	<u>FACU</u>	9			
2	<u>Prunus serotina</u>	<u>T</u>	<u>FACU</u>	10			
3	<u>Prunus serotina</u>	<u>Sh</u>	<u>FACU</u>	11			
4	<u>Rubus idaeus</u>	<u>Sh</u>	<u>FAC-</u>	12			
*5	<u>Viburnum trilobum</u>	<u>Sh</u>	<u>FACW</u>	13			
6				14			
7				15			
8				16			

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

Remarks:

HYDROLOGY None

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

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: _____					
Field Observations Confirm Mapped Type? YES NO					
Profile Description:					
Depth	Horizon	Matrix Color (Mussel Moist)	Mottles Color (Mussel Moist)	Mottles Abundance/ Size/Contrast	Texture/ Concretions/Structure
0-8	A	10YR 3/3	NONE		
8-11	Bw	10YR 4/6	None		
Hydic Soil Indicators:					
Remarks: <i>extremely stoney</i>					

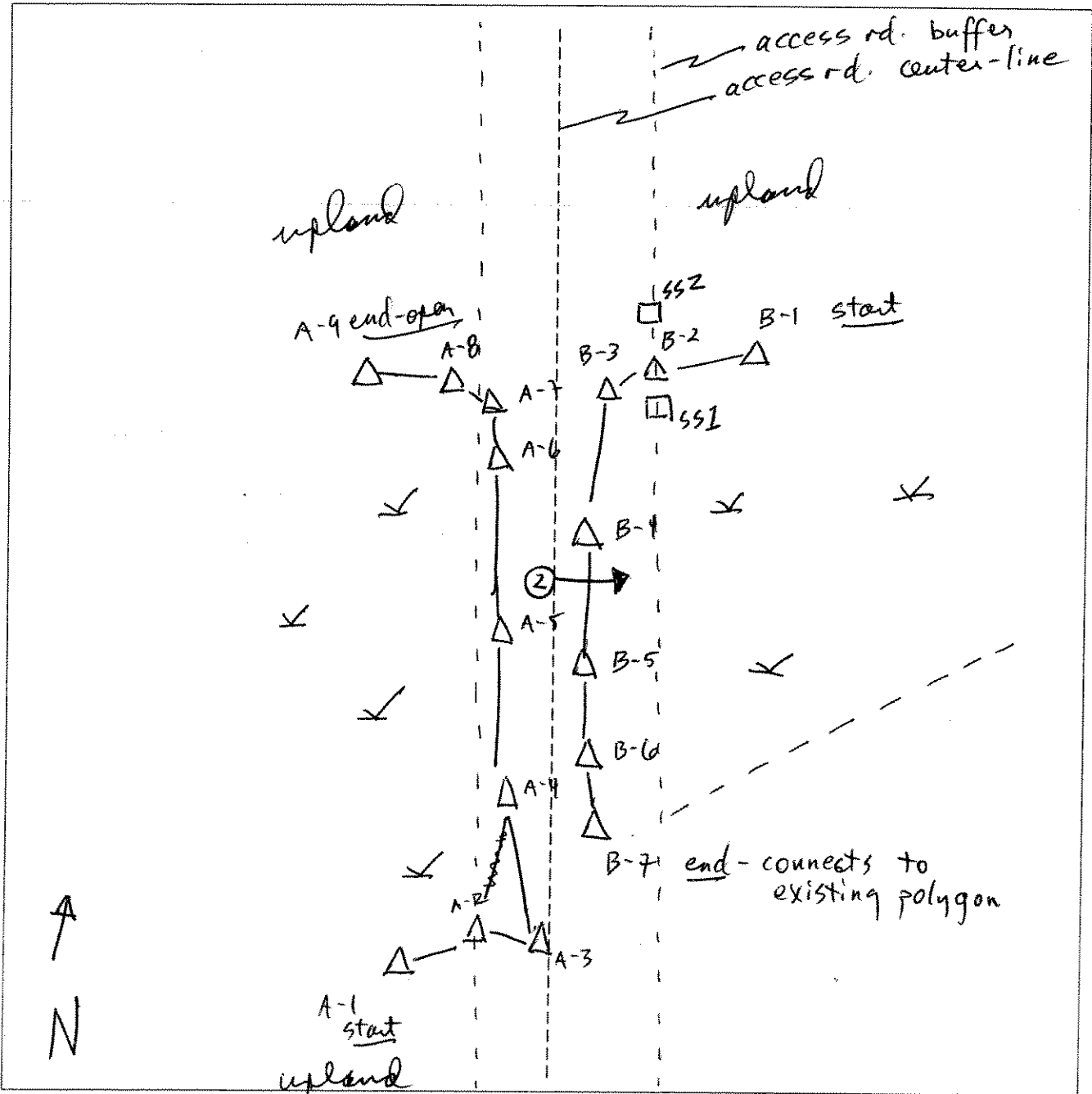
WETLAND DETERMINATION

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

Approved by HQUSACE 3/92

SKETCH FORM

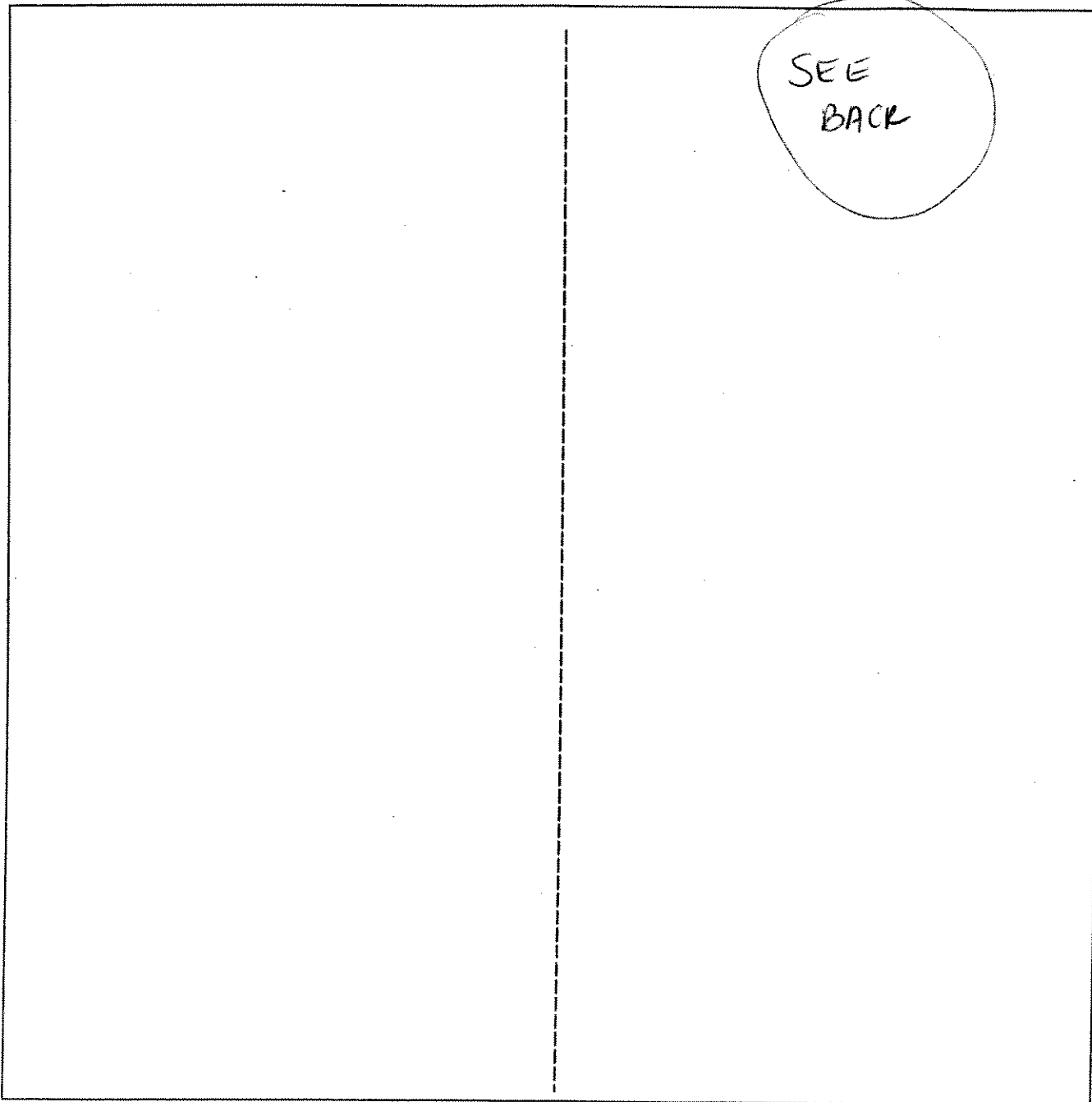
Wetland ID/Route #: AR 713 A/B	Date: 5/16/06	Time: 12:20
Initials of Delineators: BQ-RJ	Location:	
Roll #: Frames:	photo 2 facing E to wetland	



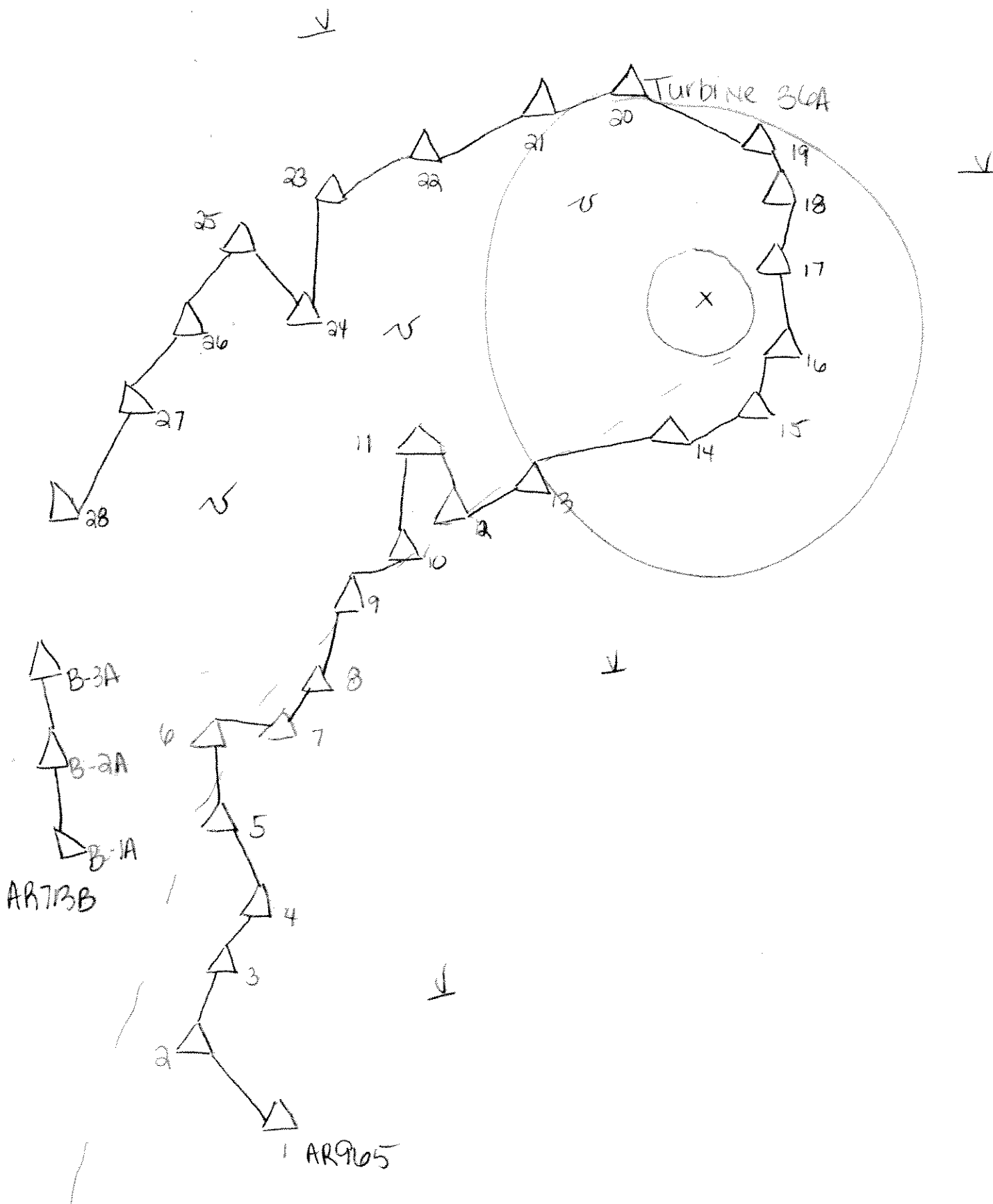
Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: ARC165A + AR713B	Date: 7-29-00	Time:
Initials of Delineators: HT	Location: AR/IC to 36A	
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: Applicant/Owner: Investigator: <i>RC</i>	Date: <i>5/19/06</i> County: <i>Chautauq</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 119 AB 551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex</i>	H	<i>wet</i>	9.		
2. <i>Eleocharis</i>	H	<i>OBL-FACW</i>	10.		
3. <i>Sphagnum</i>	H	<i>OBL</i>	11.		
4. <i>Salix sp</i>	H	<i>wet</i>	12.		
5. <i>Sagittaria latifolia</i>	H	<i>FAC+</i>	13.		
6. <i>Eleocharis tenuis</i>	H	<i>FACW</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100</i>					
Remarks: <i>shrubs either cut stems but identifiable in field or at stone well through field</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>6-8"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date:
 Community ID:
 Plot ID:

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
M2 B-18	Ap	2.5Y 2/1	2.5YR 3/3 +	2.5Y 4/1	Sandy loam

Hydro Soil Indicators

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

Remarks: soil plowed
 darker horizon and low chroma redox different
 from upland soil

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Mohle River</i> Applicant/Owner: <i>Mohle River LLC</i> Investigator: <i>BQ</i>	Date: <i>5/19/05</i> County: <i>Columbus</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>Hay</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>field</i> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 719-A-82</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <i>100</i> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>OK Grass</i>	<i>H</i>		9.		
2. <i>Proseria virginiana</i>	<i>H</i>	<i>FAC</i>	10.		
3. <i>Tripsacum daniellii</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Viola sp.</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Black Sucker root</i>	<i>H</i>	<i>NI</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <input type="radio"/>					
Remarks: - <i>Maintained Hay field</i> - <i>veg. indicators do exist for determination</i>					

HYDROLOGY

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

Date: 5/19/06
 Community ID:
 Plot ID: AR-119-A-557

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	Ap	10YR 9/2	7.5YR 4/1		

Hydro Soil Indicators

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

Remarks:

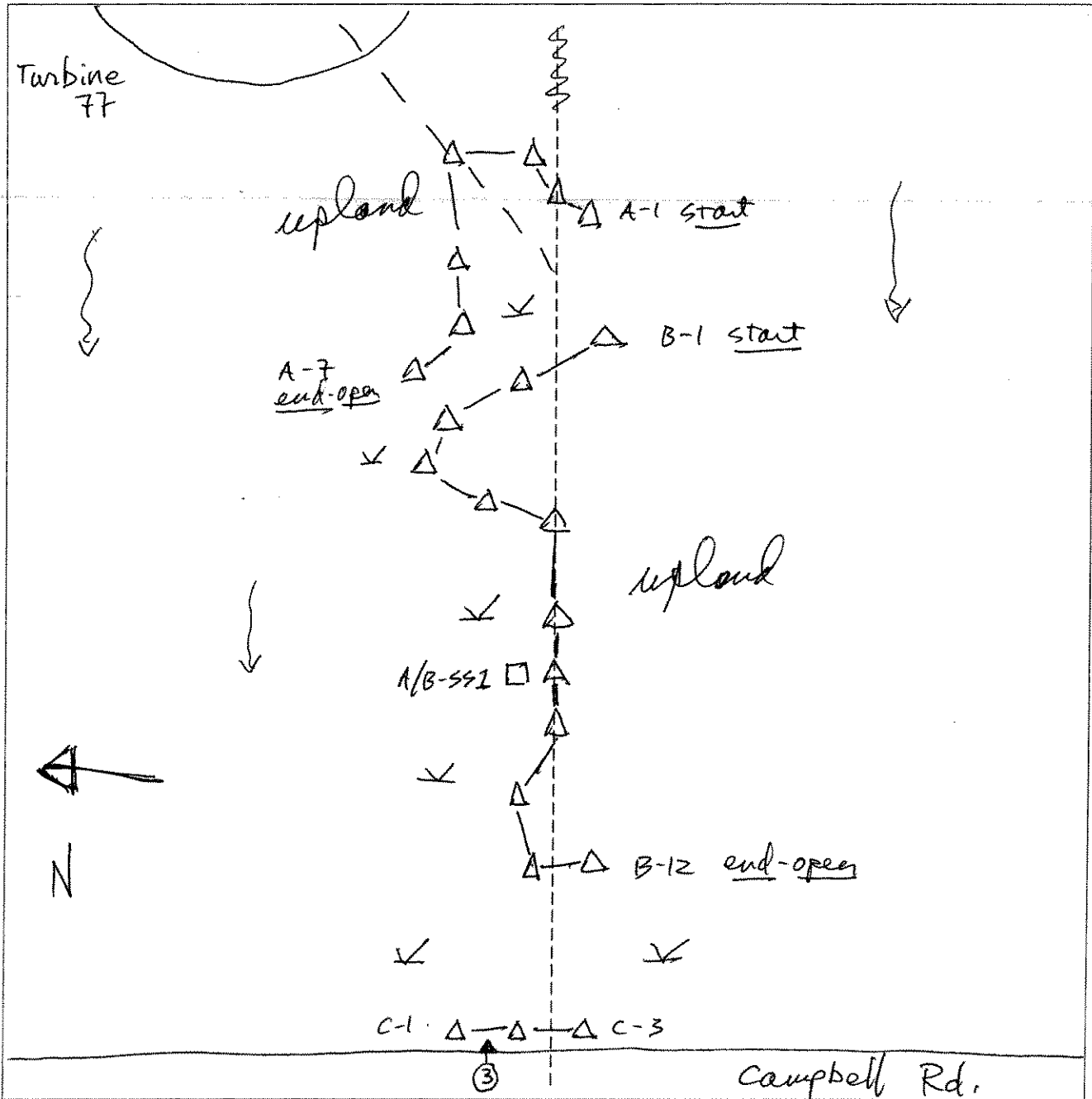
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR719 A/B	Date: 5/19/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #: Frames: photo 3 facing E		



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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/4/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PEM</u> Transect ID: Plot ID: <u>AR 719 ABC 881</u>

VEGETATION

Plant Community Classification: Ag Field - open
 Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Cinna arundinacea</u>	<u>H</u>	<u>OBL</u>	9.		
2. <u>Impatiens capensis</u>	<u>H</u>	<u>FACW</u>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):
 Remarks: Field has been cut. Vegetation has not emerged

HYDROLOGY

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

Date: 5/4/07
 Community ID: PEM
 Plot ID: AR 719 ABC SSI

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1	10YR 2/2		ORGONICS
2-4		10YR 2/1	10YR 2/2	few/fine/faint	silty loam

Hydro Soil Indicators

- 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 @ 4"*

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PBM Transect ID: Plot ID: AB 719 ABC S52

VEGETATION

Plant Community Classification: <u>GRASS</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Tritolium repens</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Taraxicum officinale</u>	<u>H</u>	<u>WPL</u>	10.		
3. <u>Tripolium hybridum</u>	<u>H</u>	<u>FACU</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>450%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/14/07
 Community ID: UPL
 Plot ID: AR 719 ABC SS2

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 4/1			Sandy loam
4-6	B	10YR 5/2			sand

Hydro Soil Indicators

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

Remarks: Refusal e 6"
 B* Horizon comprised of sand w/ coarse fragments

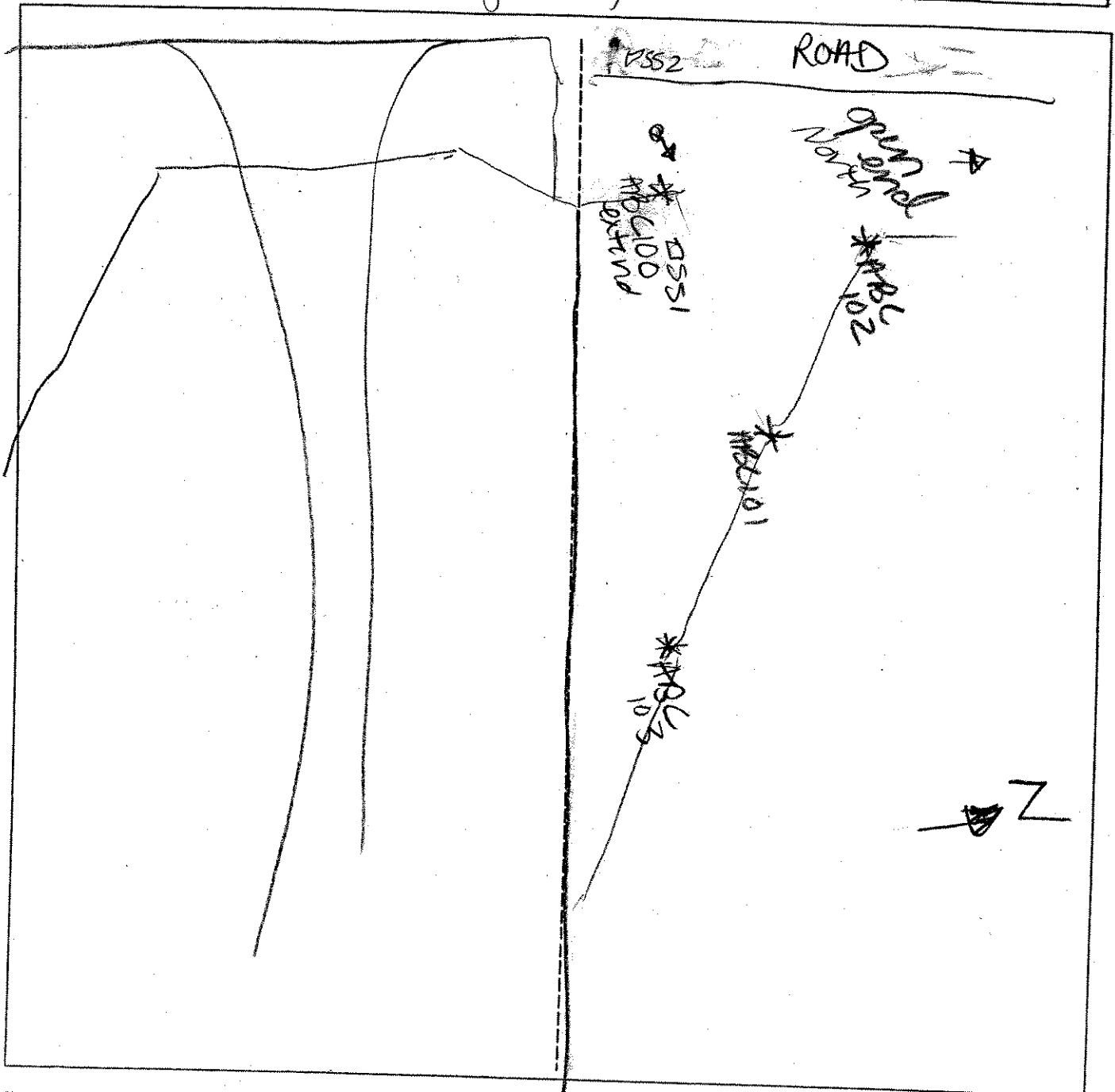
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR719 ABC EXT.		Date: 4 May 07	Time:
Initials of Delineators: JV: AD		Location: AR719 ABC	
Roll #:	Frames: photo facing east		



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

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

Project Site: <i>Marble River Wood</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCR</i>	Date: <i>5/20/06</i> County: <i>Clinch</i> State: <i>GA</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 720 A-551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>20</i> Shrub: <i>60</i> Herb: <i>80</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Populus tremula</i>	<i>T</i>	<i>FACU</i>	9.		
<i>2. Salix SP</i>	<i>SL</i>	<i>Assum Wet</i>	10.		
<i>3. Spirea latifolia</i>	<i>SL</i>	<i>FACU</i>	11.		
<i>4. Prunus serotina</i>	<i>SL</i>	<i>FACU</i>	12.		
<i>5. Viratum leide</i>	<i>H</i>	<i>FACU</i>	13.		
<i>6. Quercus sensibiles</i>	<i>N</i>	<i>FACW</i>	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>66%</i>					
Remarks:					

HYDROLOGY

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

Date: 5/20/06
 Community ID: Wetland
 Plot ID: AR-220-A-551

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/4	7.5Y 3/4	20% 2-6	Sandy loam
	AP	10YR 3/4	7.5Y 3/4	20% 2-6	Sandy loam
	Bw	2.5Y 1/1	7.5Y 3/4	> 5-6	loamy sand

Hydro Soil Indicators

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

WETLAND DETERMINATION

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

Remarks
 DEC wetland

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BO</i>	Date: <i>9/20/06</i> County: <i>Climson</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 720-A-882</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>65</i> Shrub: <i>35</i> Herb: <i>15</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus tremula</i>	T	FACU	9.		
2. <i>Morus SP</i>	T	FACU	10.		
3. <i>Prunus serotina</i>	Sh	FACU	11.		
* 4. <i>Spirea latifolia</i>	Sh	FACU	12.		
5. <i>Fragaria virginiana</i>	H	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>9/4</i>					
Remarks:					

HYDROLOGY *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: 5/24/06
 Community ID: Upland
 Plot ID:

AR 720 A - SS 2

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-10	Ap	10YR 3/2	none		
10-12+	Bw	10YR 4/4	none		

Hydro Soil Indicators

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

Remarks:
 extremely stony

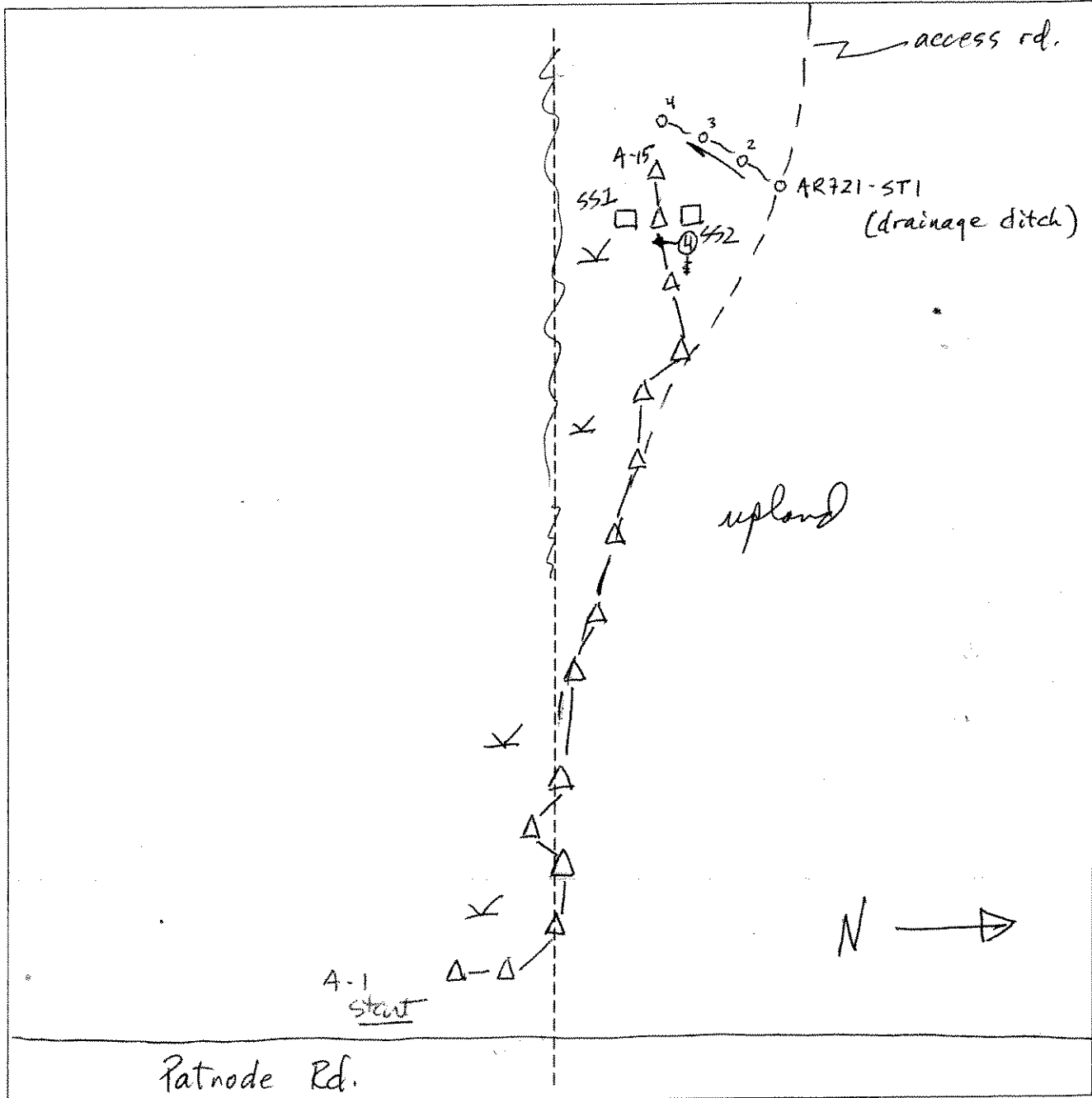
WETLAND DETERMINATION

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

Remarks
 DEC wetland

SKETCH FORM

Wetland ID/Route #: AR720A	Date: 5/20/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 4 @ 552 & 5	



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

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

Project Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BSO</u>	Date: <u>5/21/06</u> County: <u>Clinton</u> State: _____
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>AR 724-A-551</u>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>35</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Alnus balsamea</u>	<u>SH</u>	<u>FAC</u>	11.		
4. <u>Galidago sp. early</u>	<u>H</u>		12.		
5. <u>Impatiens copensis</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Juncus effusus</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Viburnum cassinoides</u>			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>3/5</u>					
Remarks: _____					

HYDROLOGY

<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 ___ Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)</p>
Field Observations: Depth of Surface Water (in.): <u>6"</u> Depth to Free Standing Water in Pit (in.): _____ Depth to Saturated Soil (in.): _____	
Remarks: _____	

WTF-8TW

Date: 5/20/06
Community ID: wetland
Plot ID:

AR 724-A-SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10 YR 2/1	7.5 YR 3/4 +	2.5 YR 4/2	finely loam
10-18+	B ₁	2.5 Y 5/2	7.5 YR 3/4		

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

DEC wetland

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/21/06</i> County: <i>Glinco</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 724-A-552</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>30</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus tremula</i>	T	FACW	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Abies balsamea</i>	Sh	FAC	11.		
4. <i>Rubus idaeus</i>	Sh	FAC-	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/4</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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.):	
Remarks: <i>Recent</i>	

WTFUTW

Date: 5/21/06
Community ID: ~~CP~~land
Plot ID:
AR 724-A-552

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/1	None		
3-7	B _{wt} 1	10YR 3/4	None		
7-15+	B _{wt} 2	10YR 4/4	None		

Hydro Soil Indicators

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

Remarks:

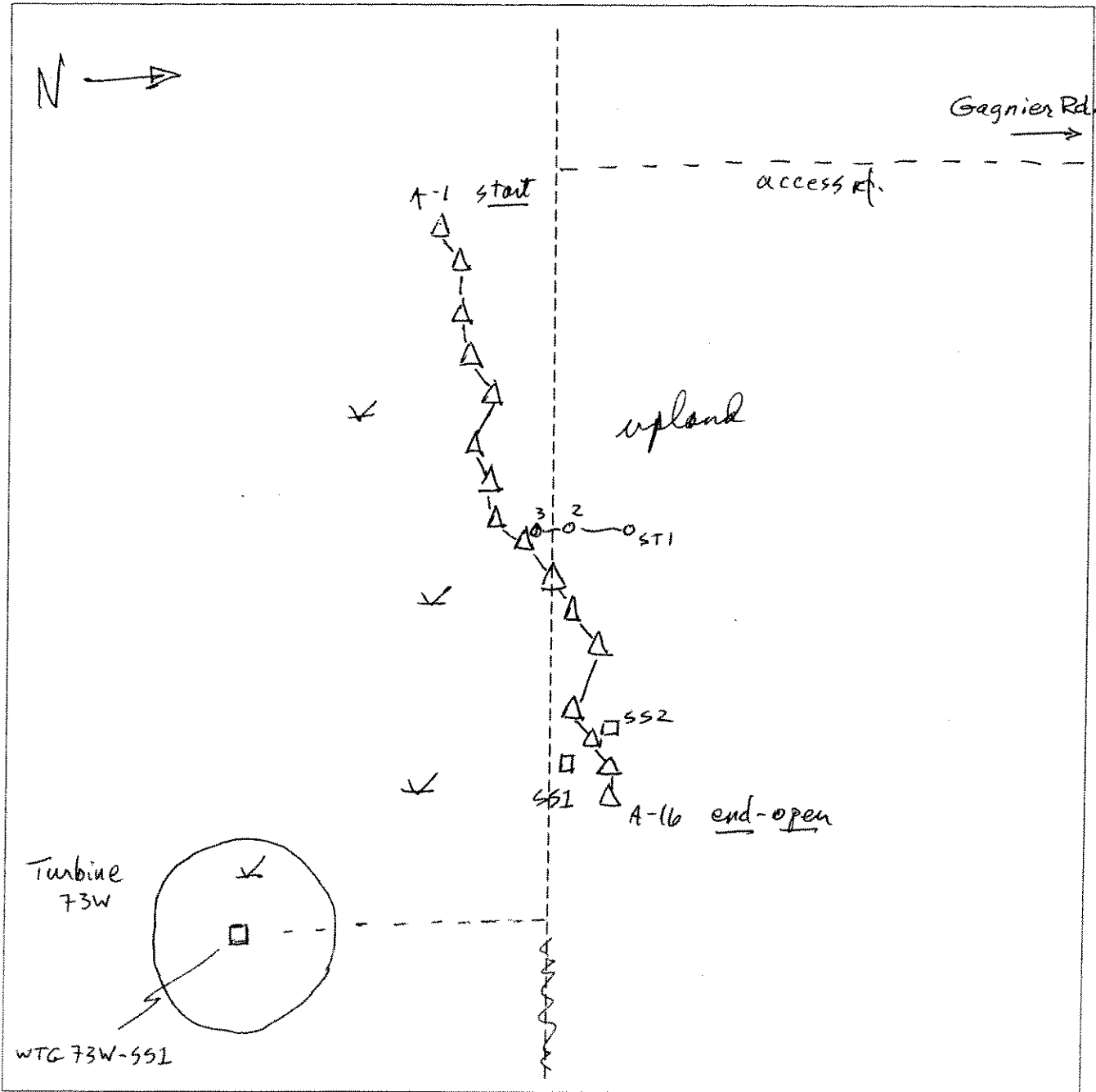
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR 724A WTG 73W	Date: 5/21/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames:	

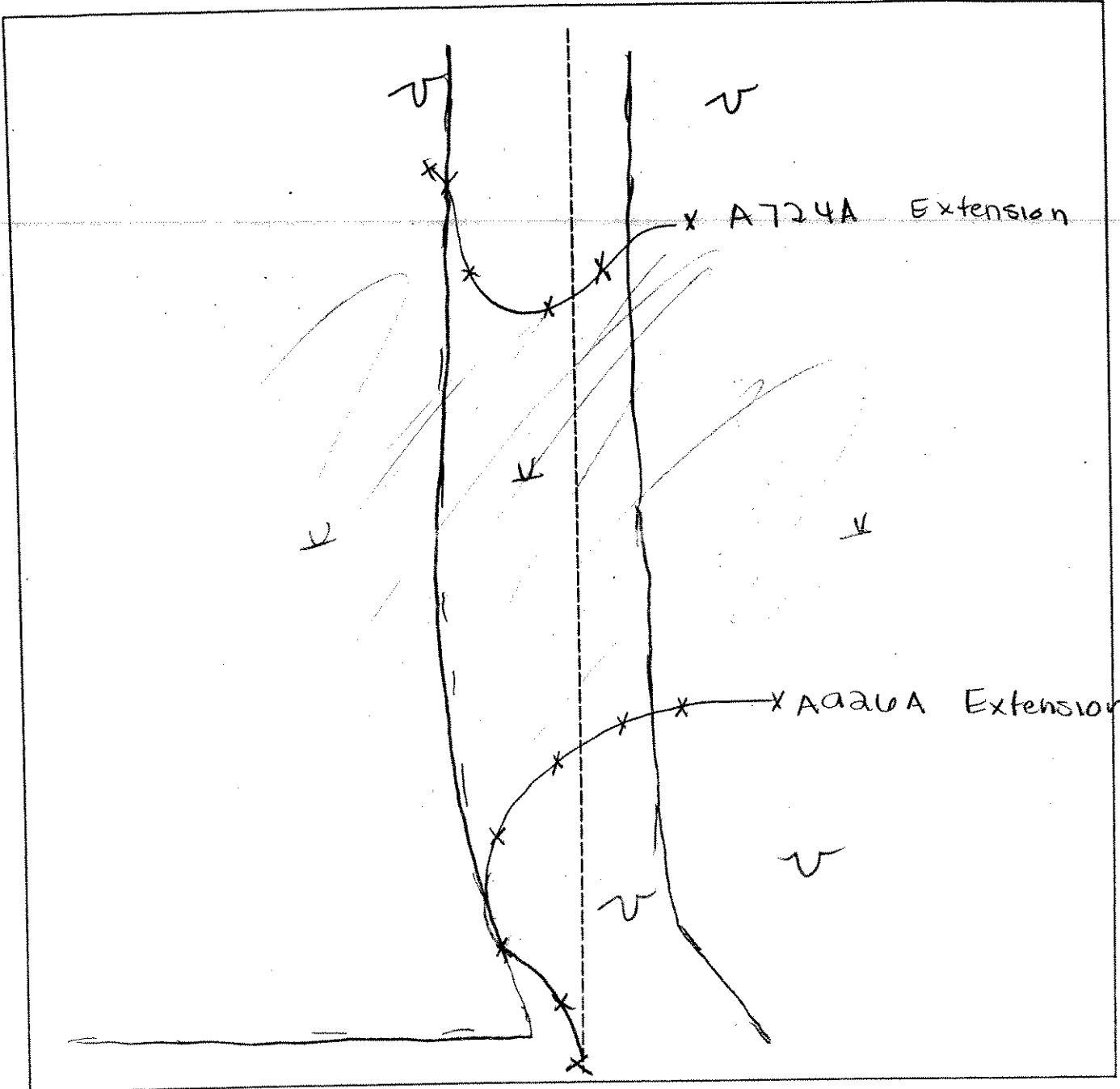


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Line extension

SKETCH FORM

Wetland ID/Route #: AR926A and AR724-A	Date: 8.22.06	Time:
Initials of Delineators: FG, AL, JV, DO	Location:	
Roll #:	Frames:	



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

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

Project Site: <i>Marble River Wild</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BL</i>	Date: <i>5/22/06</i> County: <i>Crittenden</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR 725 - A/B - 551</i>

VEGETATION

Plant Community Classification: <i>Grading</i>					
Percent Canopy Cover: Tree: <i>75</i> Shrub: <i>75</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula papyrifera</i>	<i>Sh</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Abies balsamea</i>	<i>Sh</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Sphagnum</i>	<i>H</i>	<i>OBL</i>	<i>11.</i>		
<i>4. M. canadense</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Carex sp (early)</i>	<i>H</i>	<i>assum not</i>	<i>13.</i>		
<i>6. Spirea latifolia</i>	<i>Sh</i>	<i>FAC</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <i>← small pools</i> <input checked="" type="checkbox"/> Saturated <i>← rest of area</i> <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands 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>3-6"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: <i>- recent rain may have contributed to inundation but other hydrology criteria also met</i>	

Date: 5/22/06
 Community ID: wetland
 Plot ID:
 A12 725 A/B - 551

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	7.5YR 3/4	2%	sandy loam
6-12+	Bq	10YR 3/2	10YR 4/6	75%	loamy sand

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/22/03</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 725 A/B-992</i>

VEGETATION

Plant Community Classification: <i>Sapling</i>					
Percent Canopy Cover: Free: <i>70</i> Shrub: <i>65</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula populifolia</i>	<i>Sapling</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Abies balsamea</i>	<i>Shrub</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Prunus serotina</i>	<i>Sapling</i>	<i>FACU</i>	<i>11.</i>		
<i>4. M. canadense</i>	<i>H</i>	<i>FACU</i>	<i>12.</i>		
<i>5. Vaccinium angustifolium</i>	<i>H</i>	<i>FACU</i>	<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>40%</i>					
Remarks:					

HYDROLOGY *None*

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

Date: 5/22/06
 Community ID:
 Plot ID:
 AR 725 A/B - 552

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 2/1	None		
3-4	E	10YR 6/1	None		
4-6	B ₅	7.5YR 3/3	None		
6-13+	B ₆	7.5YR 4/6	None		

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: AR725-A/B-SSI

VEGETATION

EXT

Plant Community Classification: <u>Great Birch / Fir Mix</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>70</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Abies balsamiae</i>	T	FAC	10.		
3. B. pop.	S	FAC	11.		
4. A. bals	S	FAC	12.		
5. Sphagnum moss	H	OBL	13.		
6. Rush SD	H	FACW	14.		
7. <i>Erythronium americanum</i>	H	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>cannot i.d. due to time of year</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input 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>1" + in spots</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 5/3/07
 Community ID: PFD1
 Plot ID: ART25 A/B-SSI

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			Organics
3-10	A	10YR 2/1			Silty Clay
10-12	B	10YR 5/2	10YR 4/6	Few/Med/Dist	Silty Clay w/ fine sand

Hydro Soil Indicators

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

Remarks: _____

WETLAND DETERMINATION

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

Remarks: Photo 2 => N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: AR725 A/B-SS2

VEGETATION

EXT

Plant Community Classification: <i>Early Successional Woods</i>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Abies balsamea</i>	T	FAC	10.		
3. <i>Bubus</i> sp.	S	FACU	11.		
4. <i>Erythronium americanum</i>	H	FAC	12.		
5. <i>Aster</i> sp.	M		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 750%.					
Remarks:					

HYDROLOGY

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

Date: 5/4/07
 Community ID: UPL
 Plot ID: AR725 A/B - 552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1			organics
4-10	A	10YR 3/4			Silt loam w/ sand

Hydro Soil Indicators

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

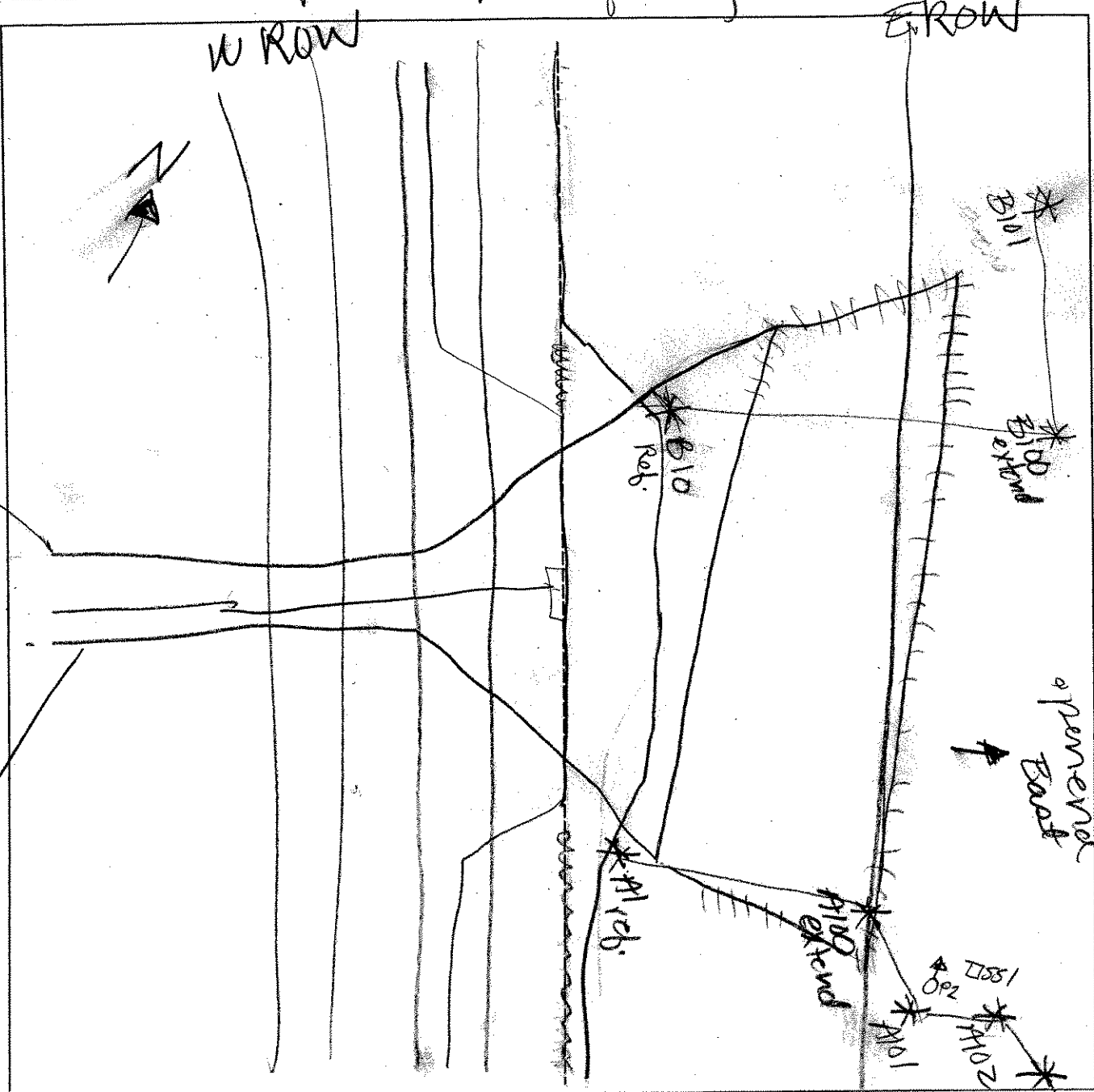
Remarks: 1" above O Horizon is litter.
 Refusal @ 10"

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: AR725A1B EXT	Date: 4 May 07	Time:
Intials of Delineators: JV; AP	Location: AR725A1B	
Roll #:	Frames: photo 2 by A101 facing North	



Legend	
P2-O with arrow	Photo Location/Direction
Rectangle	Sample Station
Dashed line	Centerline
Triangle	Flag
X	Wetland
U	Upland
Thick line	Stream
Dotted line	Intermittent Stream

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River, LLC</i> Investigator: <i>BO</i>	Date: <i>5/22/06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 725-C-551</i>						

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>25</i> Shrub: <i>40</i> Herb: <i>30</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Acer rubrum</i>	T	FAC	9.		
* 2. <i>Betula populifolia</i>	Sh	FAC	10.		
* 3. <i>Spikea latifolia</i>	Sh	FAC	11.		
* 4. <i>Spirea tomentosa</i>	Sh	FACW	12.		
* 5. <i>Juncus effusus</i>	H		13.		
* 6. <i>Carex sp. (early)</i>	H	assemblage	14.		
* 7. <i>Sphagnum</i>	H		15.		
* 8. <i>Iris sp. (early)</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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"</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: - water may be high due to recent heavy rain but OK there + water stained leaves also present - edge of pond/deeply flooded swamp	

Date: 5/22/06
 Community ID: wetland
 Plot ID:

AR 5725-C-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Oe				Peat
6-9	A	10YR 2/1	10YR 4/2	2%	sandy loam
9-18+	Bq	2.5Y 5/1	10YR 5/6 + 7.0YR 4/2	75%	sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/22/06</i> County: <i>Clinch</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: Plot ID: <i>AR 725 - C-552</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>30</i> Shrub: <i>45</i> Herb: <i>25</i> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula populifolia</i>	<i>T</i>	<i>FAC</i>	<i>9.</i>		
<i>2. Abies balsamea</i>	<i>SH</i>	<i>FAC</i>	<i>10.</i>		
<i>3. Acer rubrum</i>	<i>SH</i>	<i>FAC</i>	<i>11.</i>		
<i>4. Rubus allegheniensis</i>	<i>SH</i>	<i>FACU-</i>	<i>12.</i>		
<i>5. Rubus idaeus</i>	<i>SH</i>	<i>FAC-</i>	<i>13.</i>		
<i>6. Solidago sp. (early)</i>	<i>H</i>	<i>?</i>	<i>14.</i>		
<i>7. M. canadense</i>	<i>H</i>	<i>FAC-</i>	<i>15.</i>		
<i>8</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

HYDROLOGY *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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>Not saturated even after heavy rain in project area</i>	

Date: 5/25/06
 Community ID: Upland
 Plot ID:
 AR 725-C-552

SOILS

Map Unit Name (Series and Phase): Taxonomy (SubGroup):	Drainage Class: Field Observations Confirm Mapped Type? Yes No
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Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	Ap	10Y 2/1	low		
5-6	E	10YR 5/2	low	1	discontinuous
6-8	B ₄₅	7.5YR 3/4	low		
8-13	B _{7c}	10YR 4/6	low		

Hydro Soil Indicators

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

Remarks:
 Soil is heavily mixed, possible logging, matrix colors are high chroma

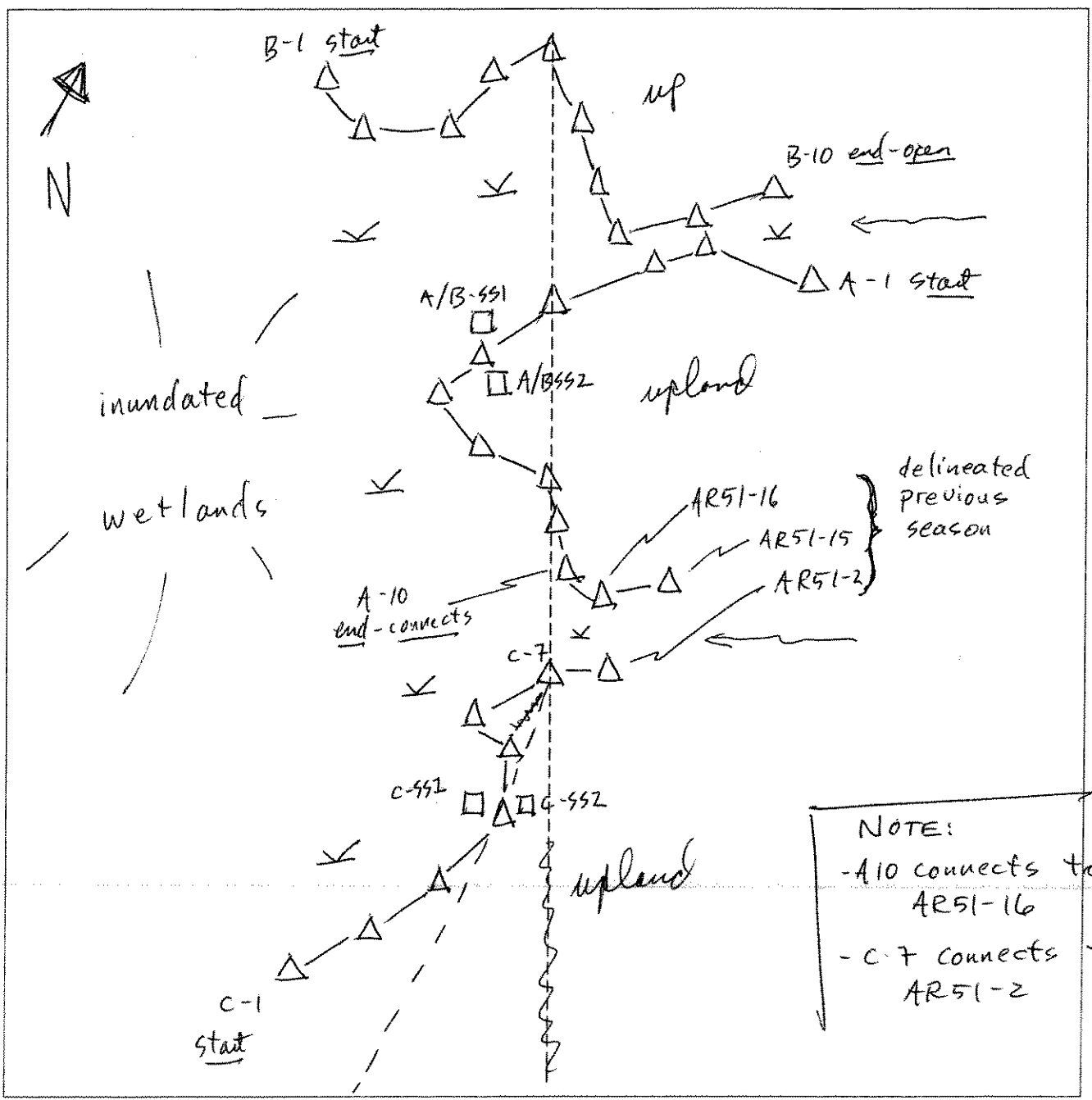
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR725 A/B/C	Date: 5/22/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames:	



NOTE:
 - A10 connects to AR51-16
 - C-7 connects to AR51-2

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

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

Project Site: <i>Marble River Wnd</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/23/06</i> County: <i>Circuit</i> State: <i>NC</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 725-D-551</i>

VEGETATION

Plant Community Classification: <i>Sepdu 65</i> Percent Canopy Cover: <i>Tree: 65 Shrub: 80 Herb: 25 Vine: 0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>X</i> 1. <i>Betula populifolia</i>	<i>Sep</i>	<i>FAC</i>	9.		
<i>X</i> 2. <i>Abies balsamea</i>	<i>SL</i>	<i>FAC</i>	10.		
<i>X</i> 3. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	11.		
<i>X</i> 4. <i>Carex sp (esdy)</i>	<i>H</i>	<i>OBL</i> <i>assumed wet</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

HYDROLOGY

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

Date: 5/23/06
 Community ID: wetland
 Plot ID: AR 725-D-551

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A10	2.5Y 2/1	2.5YR 3/4	2%	early loam
6-10	B4	2.5Y 5/2	10YR 6/4	75%	loamy sand

Hydro Soil Indicators

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

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Mable Run Wood</i> Applicant/Owner: <i>Mable Run LLC</i> Investigator: <i>BL</i>	Date: <i>5/23/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>ART05-D-552</i>

VEGETATION

Plant Community Classification: <i>Sapling</i>					
Percent Canopy Cover: Tree: <i>65</i> Shrub: <i>75</i> Herb: <i>10</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Betula populifolia</i>	<i>Sap</i>		<i>9.</i>		
<i>2. Abies balsamea</i>	<i>Sh</i>		<i>10.</i>		
<i>3. Prunus serotina</i>	<i>Sh</i>		<i>11.</i>		
<i>4. M. canadense</i>	<i>H</i>		<i>12.</i>		
<i>5.</i>			<i>13.</i>		
<i>6.</i>			<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

HYDROLOGY *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5/23/06
 Community ID: Upland
 Plot ID: AR 725 D - SSR

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10.5R 2/1	none		
3-4	E	10.5R 5/2	none		discontinuous
4-5	Bh	7.5YR 3/3	none		
5-10	Bw	7.5YR 4/4	7.5YR 2/2		

Hydro Soil Indicators

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

Remarks: Soil mechanically disturbed, (logging), discontinuous E and wired Bh/Bw

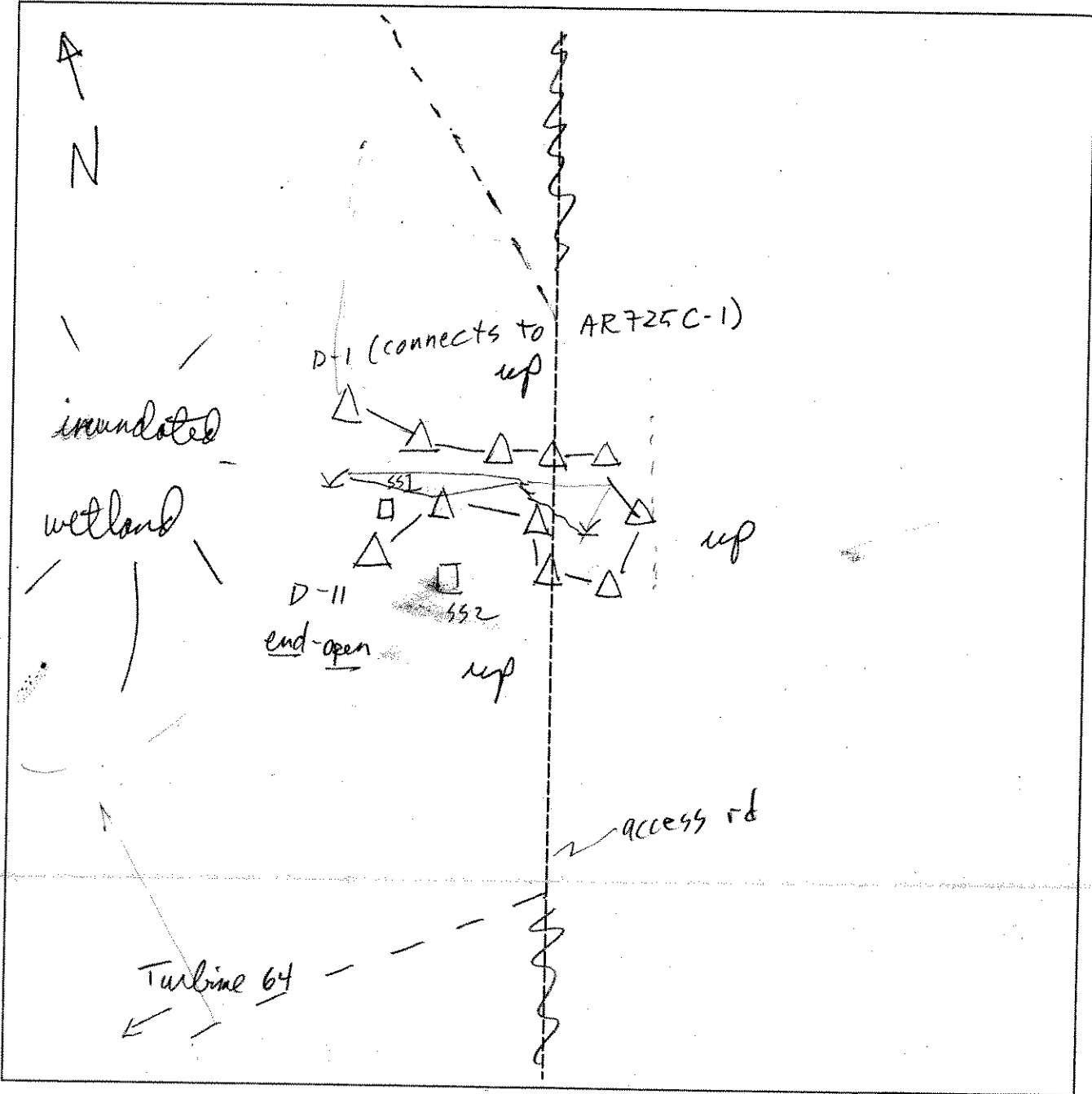
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR725D	Date: 5/23/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames:	



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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JVA	Date: 5/4/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? (If needed, explain on reverse.) Yes <input type="radio"/> No <input checked="" type="radio"/>	Community ID: Open water Transect ID: Plot ID: ART25-D-551

VEGETATION

Plant Community Classification: OW w/ shrub
Percent Canopy Cover: Tree: 0 Shrub: 5 Herb: 5 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamiae</i>	D	FAC	9.		
2. <i>Acer rubrum</i>	S	FAC	10.		
3. <i>Scirpus</i> sp *	M	-	11.		
4. <i>Sphagnum</i> moss <50%	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: Can't id due to time of year

HYDROLOGY

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

Date: 5/4/07
 Community ID: 600
 Plot ID: AR 725 D-SSI

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1			Silt loam
6-12	B	10YR 3/3			Silt loam w/ fine sand

Hydro Soil Indicators

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

Remarks: _____

WETLAND DETERMINATION

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

Remarks: photo 3 => N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/4/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>AR725 D-882</u>

VEGETATION

EXT

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>00</u> Shrub: <u>10</u> Herb: <u>10</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Prunus serotina</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Abies balsamea</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Rubus sp</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Aster sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Fragaria virginiana</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC) <u>50%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/3/07
 Community ID: UPL
 Plot ID: AB725 D-SS2

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-5	O	10YR 2/1			Organics
5-6	A₁	10YR 4/2			Silty Clay
6-12	A ₂	10YR 2/2			Silt loam w/ fine sand

Hydro Soil Indicators

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

Remarks: A₂ Horizon Has non-decomposed litter to 12"

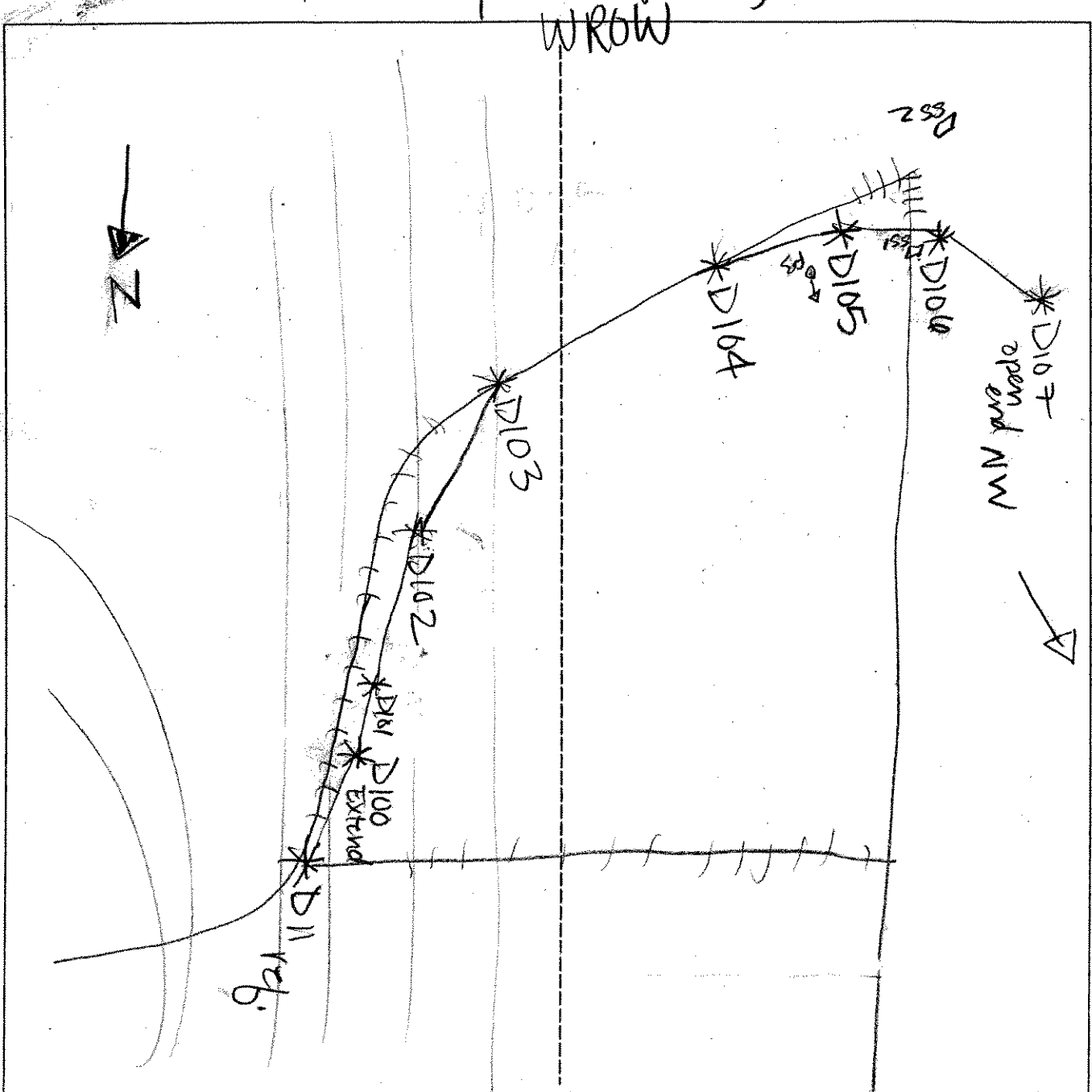
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR725D EXTENSION	Date: 4. Nov 07	Time:
Initials of Delineators: JV AP	Location: AR725D	
Roll #:	Frames: photo 3 by D105 facing NW	



Legend	
PS O ▲	Photo Location/Direction
□	Sample Station
- - -	Centerline
△	Flag
∩	Wetland
U	Upland
—	Stream
- . . -	Intermittent Stream

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>PLD</u>	Date: <u>7-12-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wet</u> Transect ID: Plot ID: <u>AR 736 A SSI</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red top (<i>A. alba</i>)	FACW	H	9.		
2. Corex vulpinoidea	OBL	H	10.		
3. Timothy	FACW	H	11.		
4. Tall Bulrush (<i>R. acris</i>)	FAC+	H	12.		
5. Gallium waltyni	NE	H	13.		
6. Red-cornflower	FACW+	H	14.		
7. Meadow fox tail (<i>A. pratense</i>)	FACW	H	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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 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: 7-12-06
 Community ID: wet
 Plot ID: AR736A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	2.5Y 2.5/1	7.5YR 4/4	85%	Sandy loam
10-15	Bw	2.5Y 9/1	7.5YR 4/4	75%	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: wet meadow Pic # 3 → E			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-12-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>UPland</u> Transect ID: Plot ID: <u>AR 736 A 552</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>0</u>	Shrub: <u>0</u>	Herb: <u>100</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Orchard Grass (D. glomerata)</u>	H	FACU	9.		
2. <u>Vernal Grass (A. odoratum)</u>	H	FACU	10.		
3. <u>Vetch (V. sativa)</u>	H	FACU-	11.		
4. <u>Calluna mollis</u>	H	NI	12.		
5. <u>Timothy</u>	H	FACU	13.		
6. <u>Trifolium pratense</u>	H	FACU-	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <u>low</u> <input type="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: 7-12-06
 Community ID: Upland
 Plot ID: AR736A-SS2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/2	None		
10-20	Bw	10YR 5/4	None		

Hydro Soil Indicators

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

Remarks:

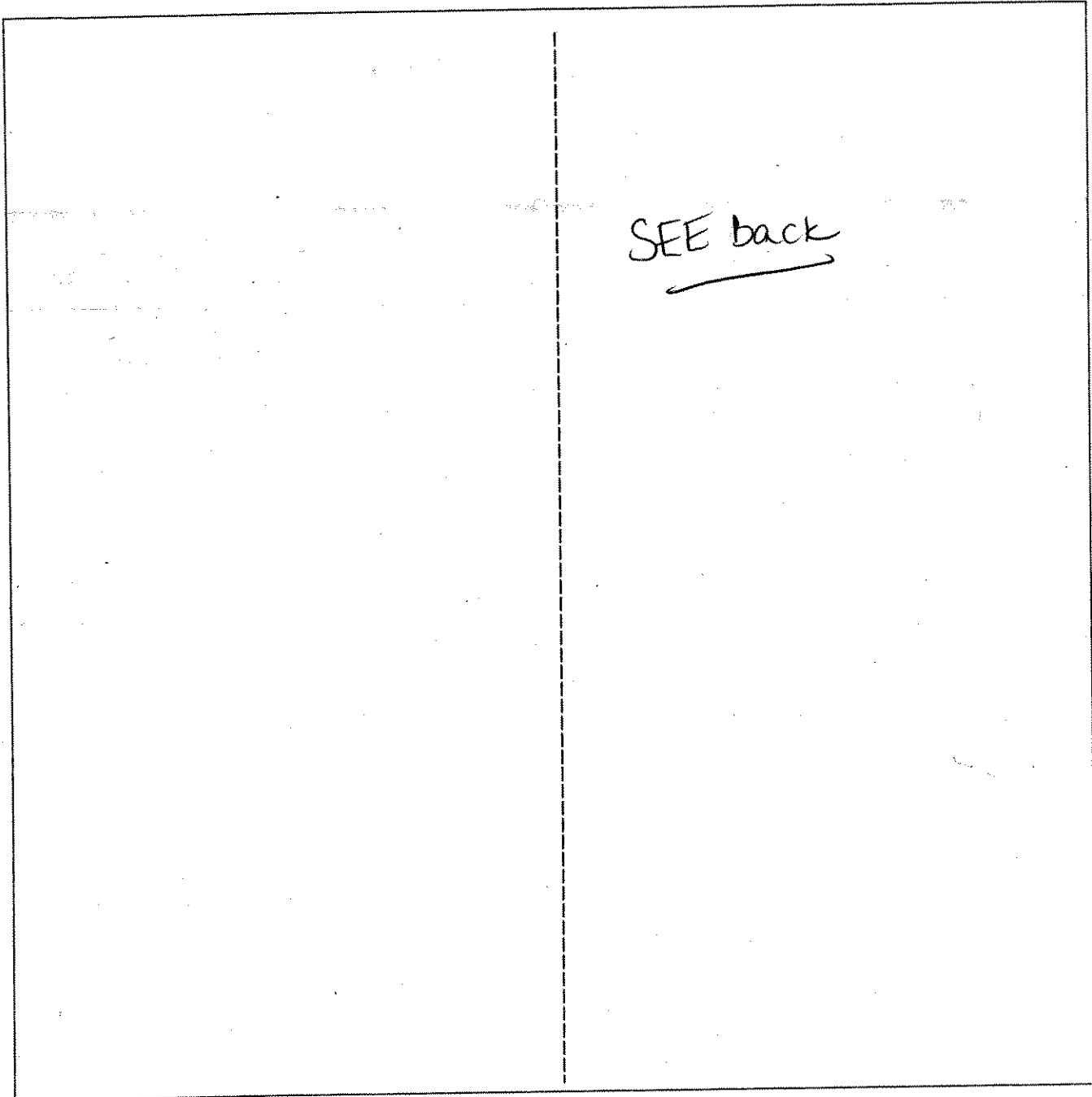
WETLAND DETERMINATION









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


Remarks

SKETCH FORM

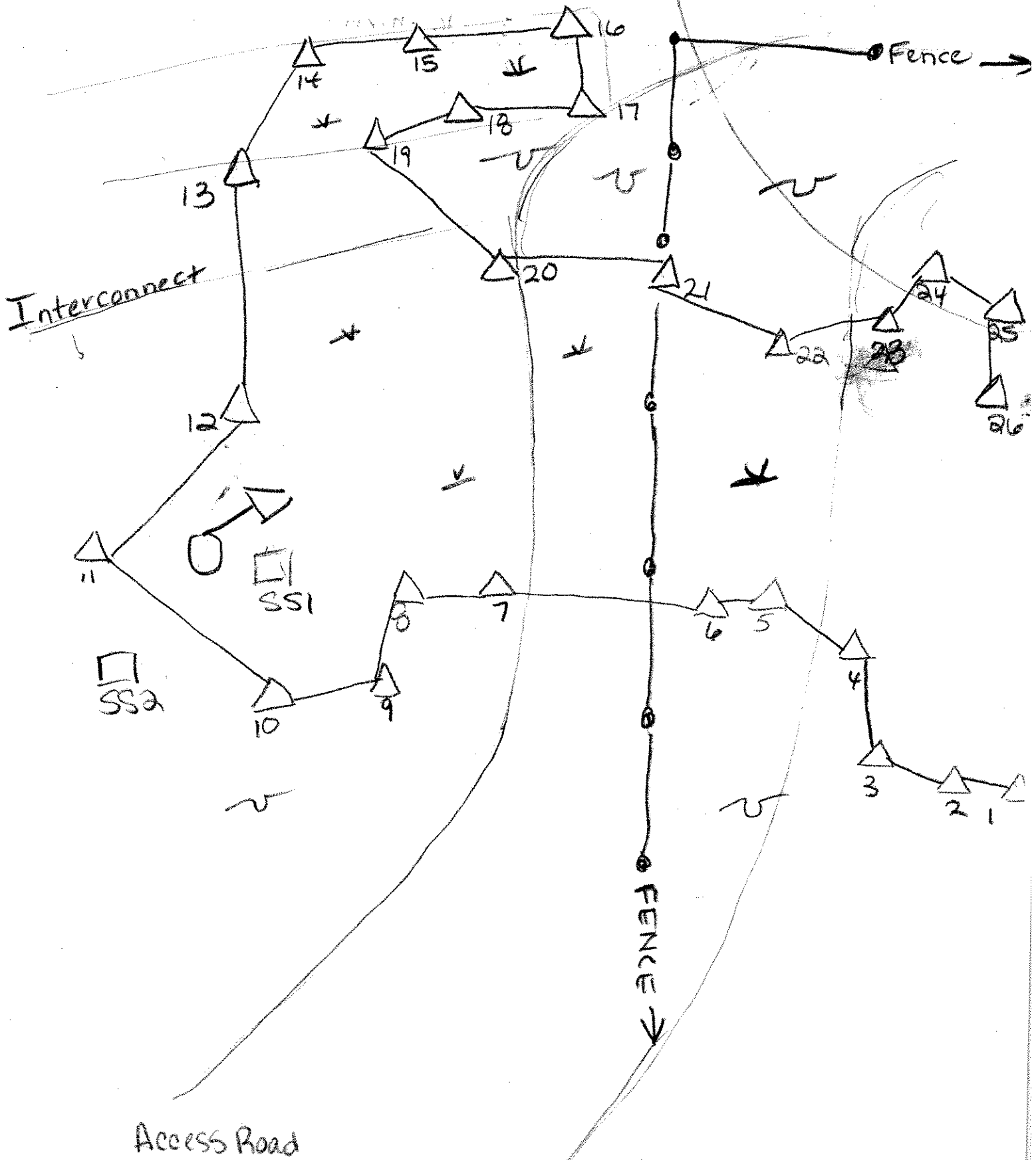
Wetland ID/Route #: AR7360A	Date: 7-13-04	Time:
Initials of Delineators: BQ	Location: IC to turbine 161A	
Roll #:	Frames: photo facing South	



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



Turbine
101A



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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7-13-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>low</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: wet Transect ID: Plot ID: AR 737-A-SS1

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: 0	Shrub: 10	Herb: 90	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	H	OBL	9.		
2. <i>Juncus effusus</i>	H	FACW	10.		
3. tall <i>bulrush</i>	H	FAC+	11.		
4. <i>Timothy</i>	H	FACU-	12.		
5. <i>Spiraea latifolia</i>	SH	FAC+	13.		
6. <i>Agrostis alba</i>	H	FACW	14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 83%					
Remarks:					

HYDROLOGY

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

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

IC 737-A-551

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A ₂	2.5 Y 2.5/1	7.5 YR 3/4 } 2.5 YR 5/1 }	> 5%	Sandy loam

Hydro Soil Indicators

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

Remarks:
 - Soil heavily mixed by livestock
 - heavy redox + low chroma redox in upper 12"

WETLAND DETERMINATION

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

Remarks
 Pic # 2 → 9

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-13-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>Can Restore</u> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 737-A-552</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>15</u> Herb: <u>80</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. white clover (<i>T. repens</i>)	H	FACU-	9.		
2. <i>Agrostis alba</i>	H	FACW	10.		
3. <i>Plantago major</i>	H	FACU	11.		
4. red pine (<i>P. resinosa</i>)	T	FACU	12.		
5. spined lot. <i>L. a.</i>	SH	FACU	13.		
6. <i>Malva sp.</i>	T	-	14.		
7. <i>Heal All (D. vulgaris)</i>	H	FACU	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>30%</u>					
Remarks: <u>veg browsed but good for determination</u>					

HYDROLOGY

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

Date: 7-13-06
 Community ID: Upland
 Plot ID:
 ATZ 737 A 552

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap ₂	10YR 3/2	none		

Hydro Soil Indicators

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

Remarks: - Soil extremely stony (hard) below 10"
 - no redox in Ap

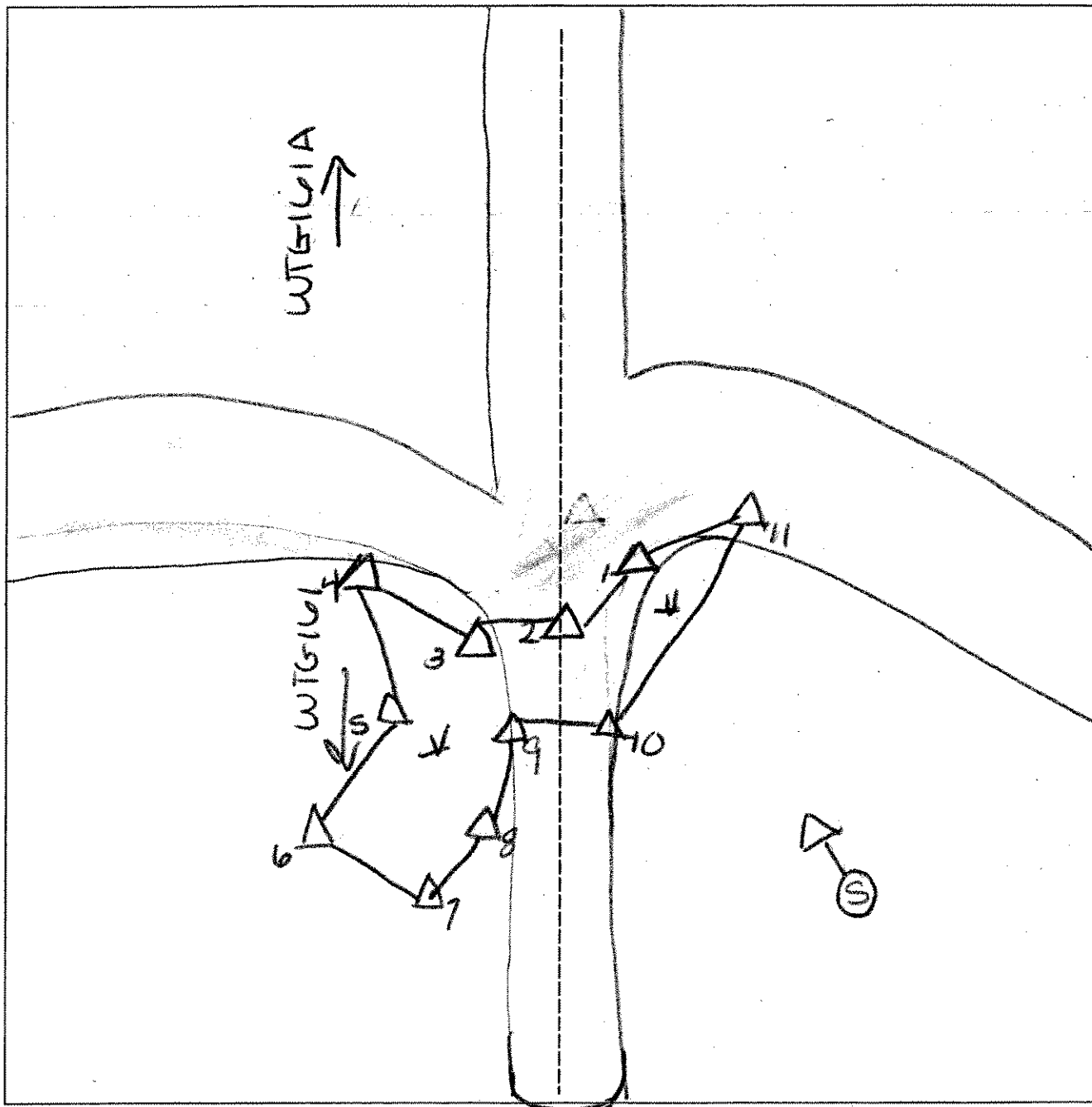
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

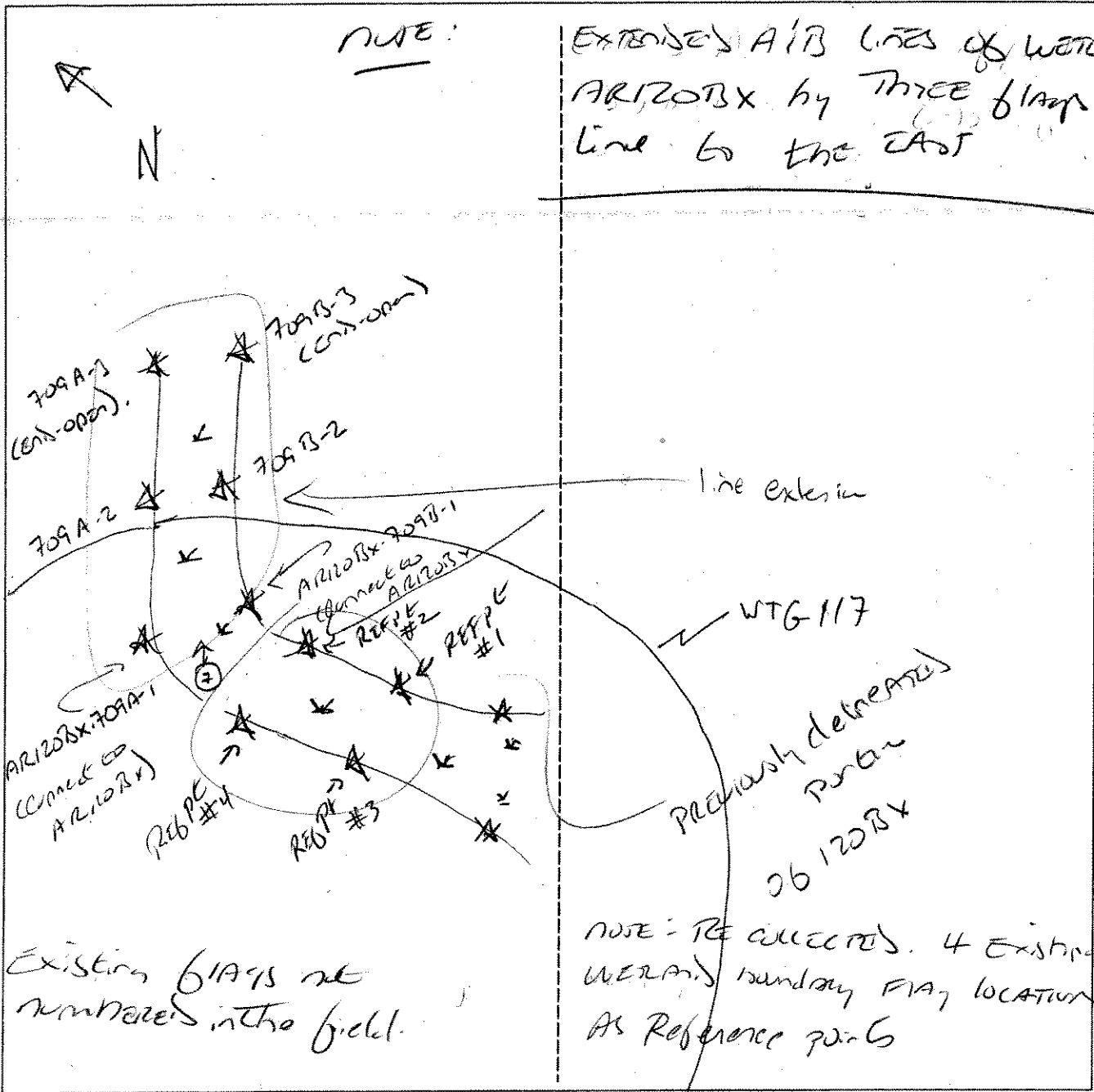
Wetland ID/Route #: AK 737	Date: 7-13-06	Time:
Initials of Delineators: BQ	Location: WTG Between 161 + 161A	
Roll #:	Frames: photo facing South	



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

SKETCH FORM

Wetland ID/Route #: AR120BX-709A+B	Date: 5/10/06	Time: 1430
Initials of Delineators: [Handwritten initials]	Location: Turbine #117	
Roll #:	Frames: 7 => EAST AT EXTENSION	



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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>ISH, JV</i>	Date: <i>5/8/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 800A-531</i>

VEGETATION

Plant Community Classification: <i>PSS/PEM/PFO1</i>	Percent Canopy Cover: Tree: <i>15</i> Shrub: <i>50</i> Herb: <i>95</i> Vine: <i>2</i>				
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW+</i>	10.		
3. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Slope Bush</i>	<i>H</i>	<i>FACW</i>	12.		
5. <i>Red Canary Grass</i>	<i>H</i>	<i>FACW</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>DEC wetland</i>					

HYDROLOGY

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

Date: 5/8/06
 Community ID: wetland
 Plot ID: AM 802A-SS1

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O/A	10YR-2/1			Muck
3-12	B	10YR-5/2	10YR-2/1	Common / Fine / distinct	coarse silt
		10YR-3/3	10YR-3/3	Few / coarse / faint	

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: - refusal at 12 inches
 - Mn concretions, Fe mottles, Mn mottles
 > 50% in matrix

WETLAND DETERMINATION

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

Remarks: - pit #1 looks E @ SS1
 - WL continues E along RR bed ~ 100 ft

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-8-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR 802A-552</u>

VEGETATION

Plant Community Classification: Red Maple Deciduous Forest
 Percent Canopy Cover: Tree: 90% Shrub: 70% Herb: 40% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Populus tremuloides</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Amelanchier laevis <u>laevis</u></u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Trount Lily *</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	14.		
7. <u>Pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	15.		
8			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 66%

Remarks:

x painted Trout Lily

HYDROLOGY

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

Date: 5-8-06
 Community ID: Upland
 Plot ID: ARE02A-SS2

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1	—	—	Sandy loam
3-4	E	10YR 5/2	—	—	Sand w/ silt
4-12	A	7.5YR 4/10	—	—	Clay loam w/ roots

Hydro Soil Indicators

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

Remarks:

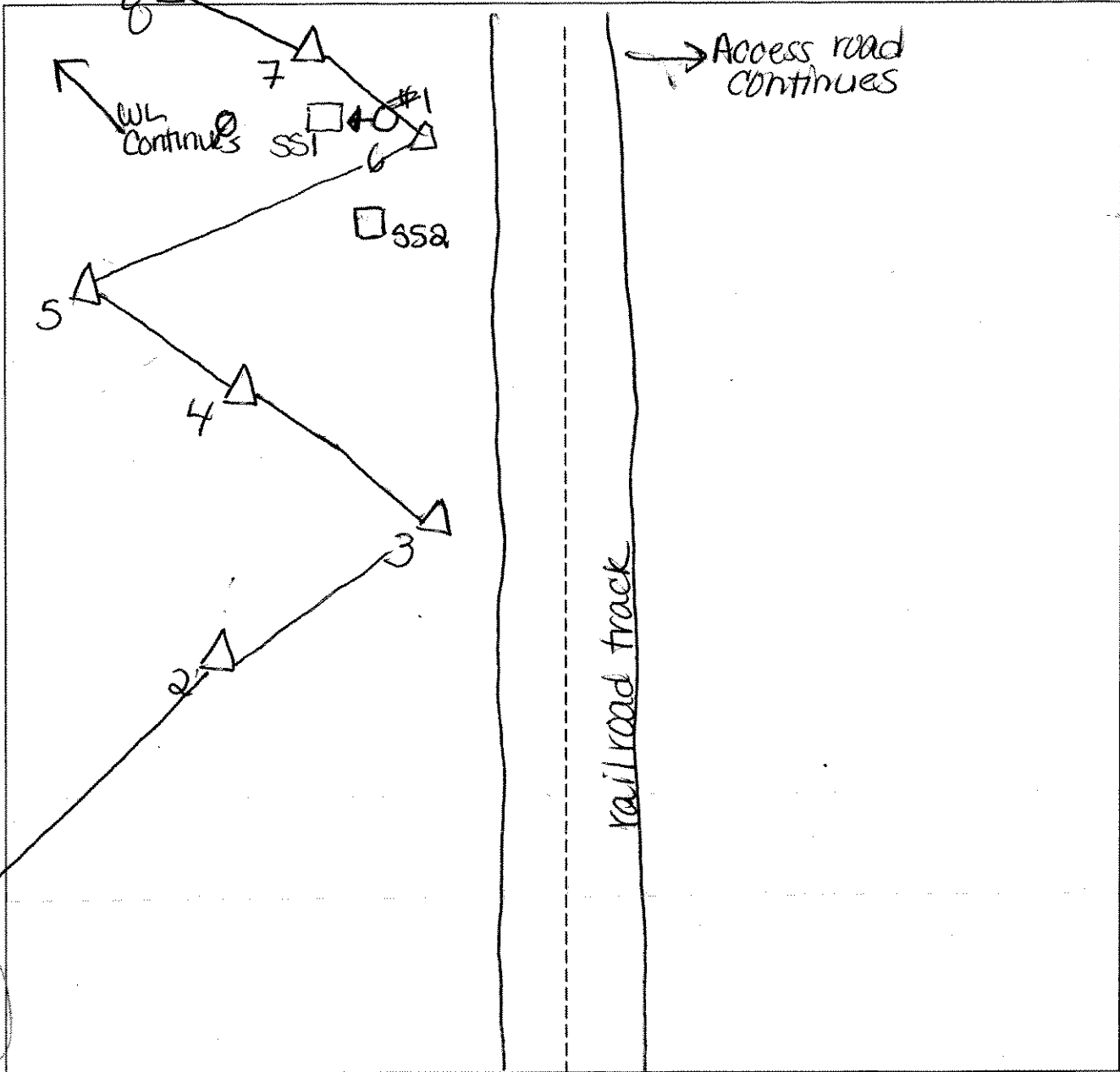
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

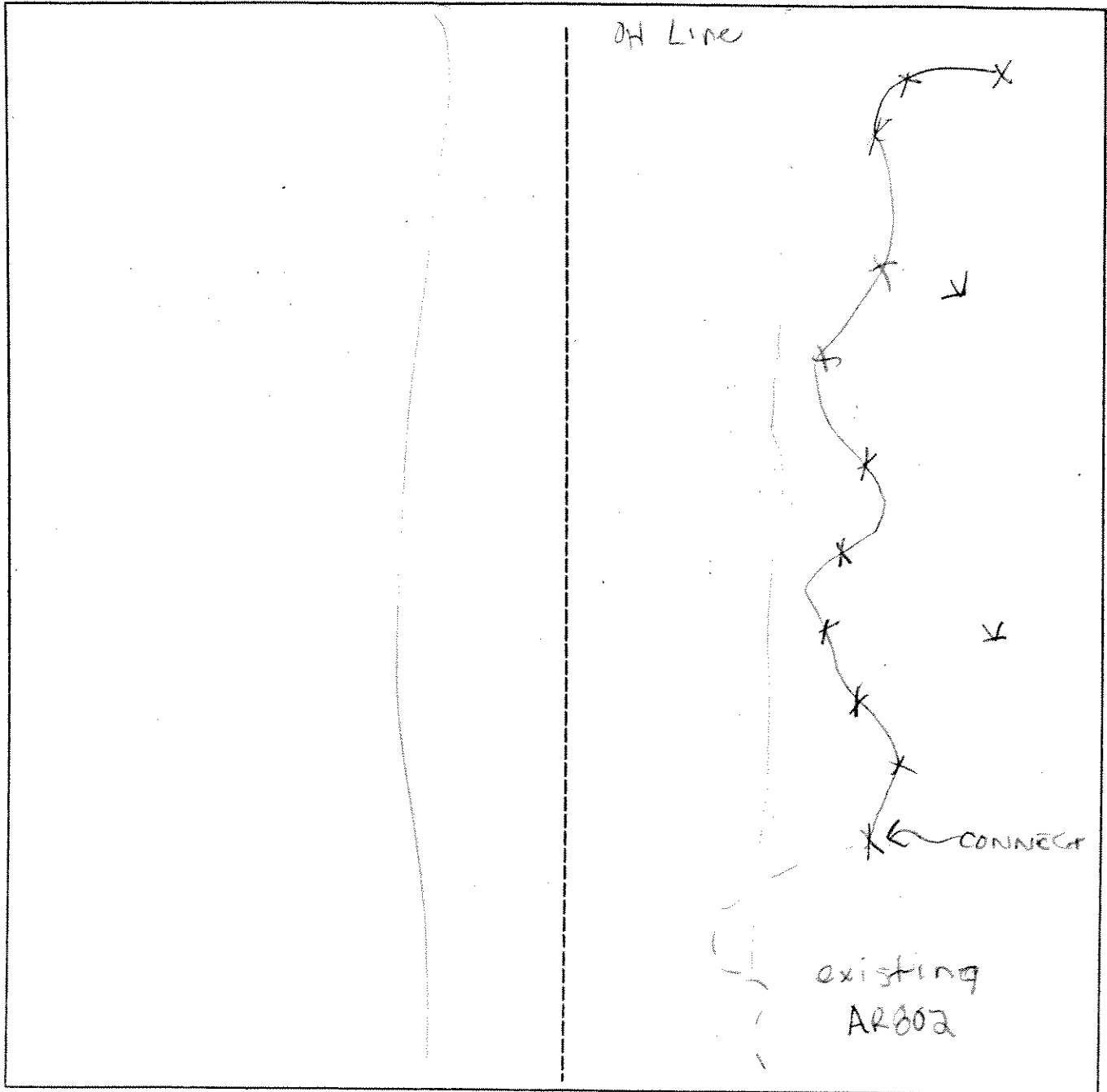
Wetland ID/Route #: AR802A	Date: 5-8-06	Time:
Initials of Delineators: RHJV	Location: Access road off railroad tracks	
Roll #:	Frames: 1	



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

SKETCH FORM

Wetland ID/Route #: AR802	Date: 11/7/06	Time: 1630
Initials of Delineators: JB JV	Location: OH From RR to C. Mills	
Roll #: 	Frames: 	



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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KH, JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? 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>AR 803A/B-SSJ</i>

VEGETATION

Plant Community Classification: <i>PSS/PEM</i>					
Percent Canopy Cover: Tree: <i>10</i> Shrub: <i>50</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Gow. Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Spotted Alder</i>	<i>S</i>	<i>FACW</i>	10.		
3. <i>Softa Kercy</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>Golden Rod sp</i>	<i>H</i>	<i>-</i>	13.		
6. <i>Sewel weed</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>grass sp</i>	<i>H</i>	<i>-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

HYDROLOGY

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

Date: ~~AR 803~~ 5/9/06
 Community ID: wetland
 Plot ID: AR 803 A/B-SS1

SOILS

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

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: pit # 7 looks s @ ss1			

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon and Powell LLC</i> Investigator: <i>KIK, JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>AR 803 A/B-552</i>

VEGETATION

Plant Community Classification: <i>Hoplon/Red Maple Forest</i>					
Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>30</i> Herb: <i>10</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Populus tremuloides</i>	<i>T</i>	<i>FACU</i>	10.		
3. <i>Vaccinium Berry</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Fruit Lilly</i>	<i>H</i>	<i>UPL*</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>* Not listed presumed upland</i>					

HYDROLOGY

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

Date: 5/9/06
 Community ID: uplow
 Plot ID: R803A/B-852

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>RH JV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" 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>AR803B - 554</u>

VEGETATION

Plant Community Classification: <u>PSS/PTA/OW in parts/PEM</u>					
Percent Canopy Cover: Tree: <u>2</u> Shrub: <u>70</u> Herb: <u>95</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Speckled Alder</u>	<u>S</u>	<u>FAEW</u>	9.		
2. <u>Red Top Sp</u>	<u>H</u>	<u>-</u>	10.		
3. <u>Gross sp</u>	<u>H</u>	<u>-</u>	11.		
4. <u>Cattail</u>	<u>H</u>	<u>OBL</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>2nd set of data sheets for AR803 A/B/C wetland</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>5</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5-10-06
 Community ID: Wetland
 Plot ID: AR203B SS 3

SOILS

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

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
<i>photo #1 => S toward stream #2 => S toward wetland at AR203B</i>			

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NV</u>
Do Normal Circumstances exist on the site? <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>AR803B - S54</u>

VEGETATION

Plant Community Classification: <u>roadside, mowed grass</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>15</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Viburnum lentago</u>	<u>S</u>	<u>FAC</u>	9.		
2. <u>Speckled Alder</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Great Burdock</u>	<u>H</u>	<u>UPL</u>	11.		
4. <u>Dandelion</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Grass SP</u>	<u>H</u>	<u>—</u>	13.		
6. <u>Red Clover</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Wild Madder</u>	<u>H</u>	<u>*UPL</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>25%</u> <u>20%</u>					
Remarks: <u>2nd set of data sheet for wetland AR803A/B/C</u> <u>*not listed, presumed upland</u> <u>Samples collected roadside</u> <u>*not SP</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5-10-06
 Community ID: Upland
 Plot ID: AR 0031B - SS2

SOILS

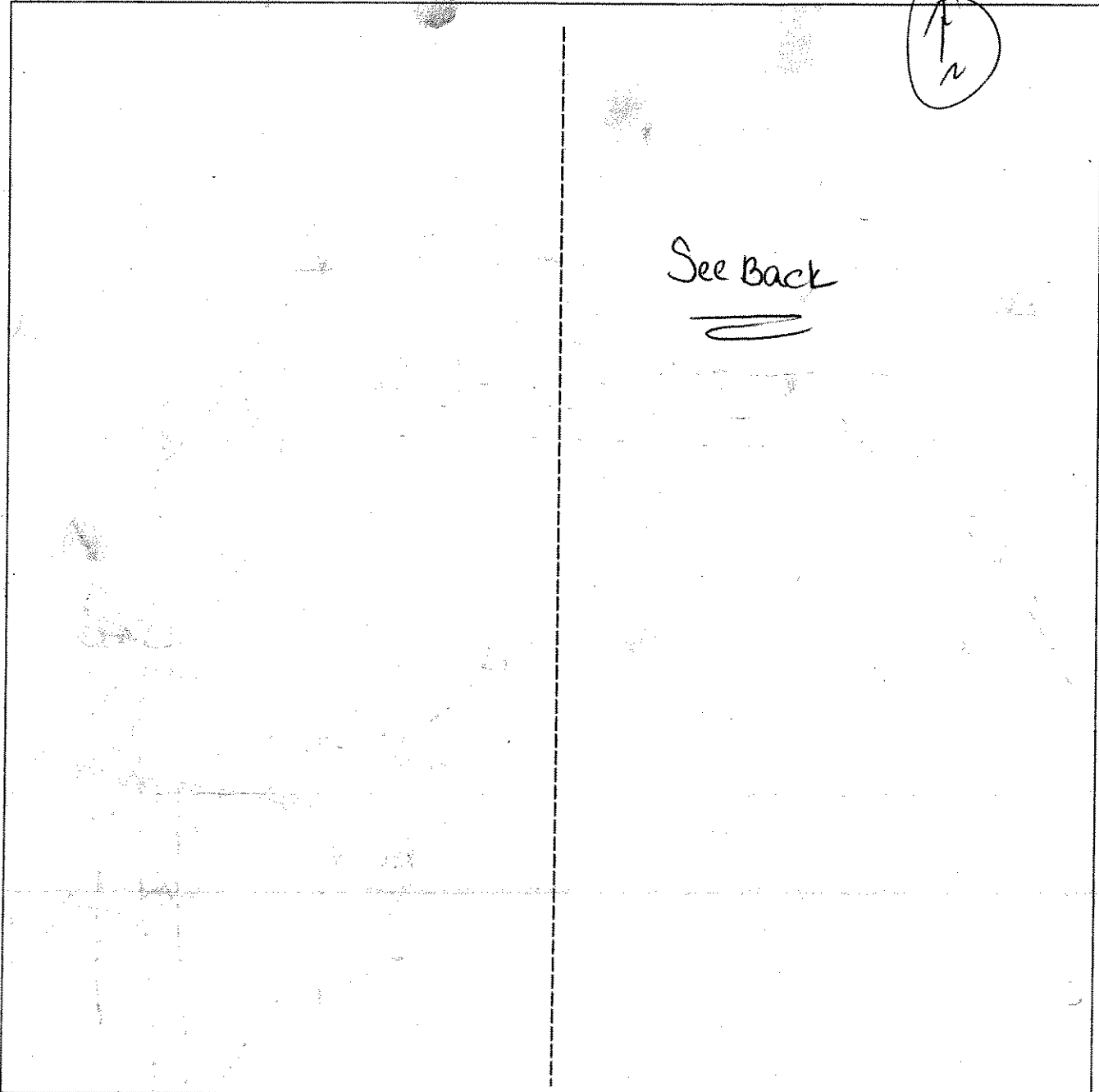
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	Ap ₁	7.5YR-3/3			Sandy loam / part
12-18	Ap ₂	7.5YR-3/3			Sandy Gravel
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Fill for road is the upland soil					

WETLAND DETERMINATION

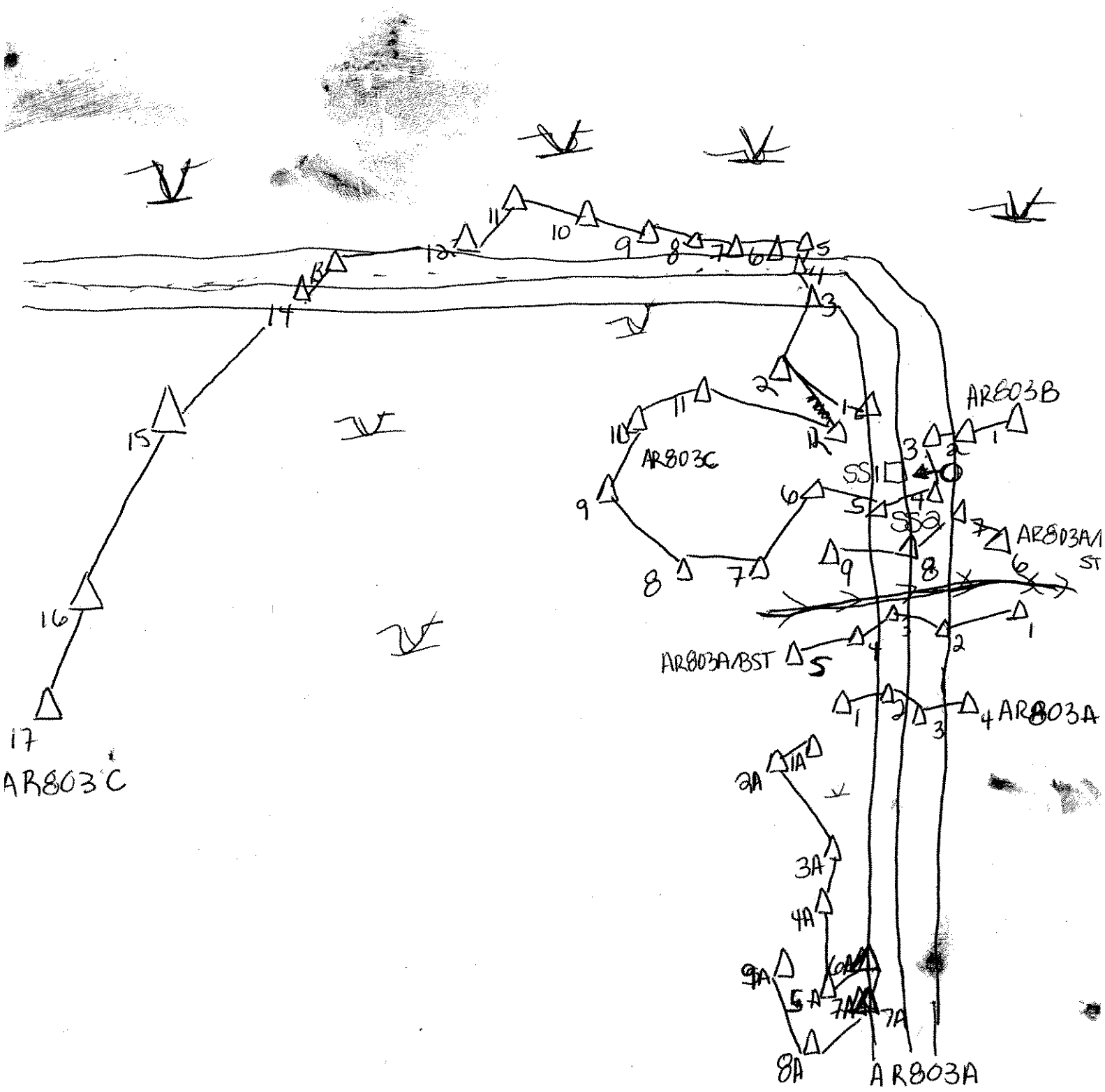
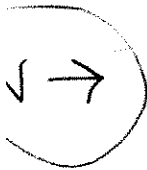
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks			

SKETCH FORM

Wetland ID/Route #: <i>AR 803 A/B</i>		Date: <i>5/9/06</i>	Time:
Initials of Delineators: <i>KAH, JV</i>		Location: <i>AR South of Clinton Mills Rd</i>	
Roll #: <i>15H</i>	Frames: <i>7, 8, 9</i>	<i>N of WB 146-A</i>	

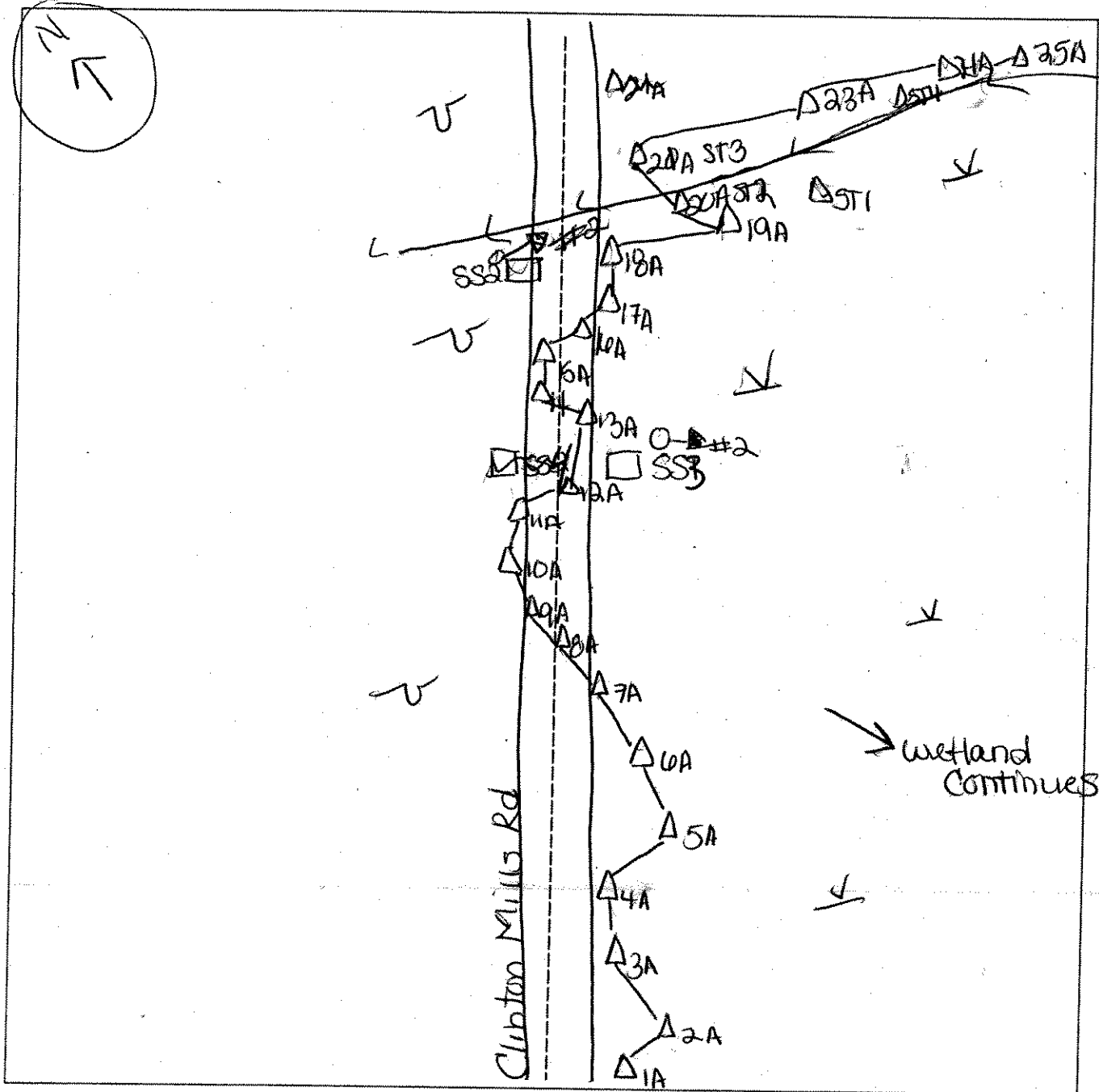


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream



SKETCH FORM

Wetland ID/Route #: AR803B / ST		Date: 5-10-06	Time:
Initials of Delineators:		Location: Clinton-Mills Rd	
Roll #: KH	Frames: 1, 2	(Extension of AR 803A/B/C + ST Sketch)	

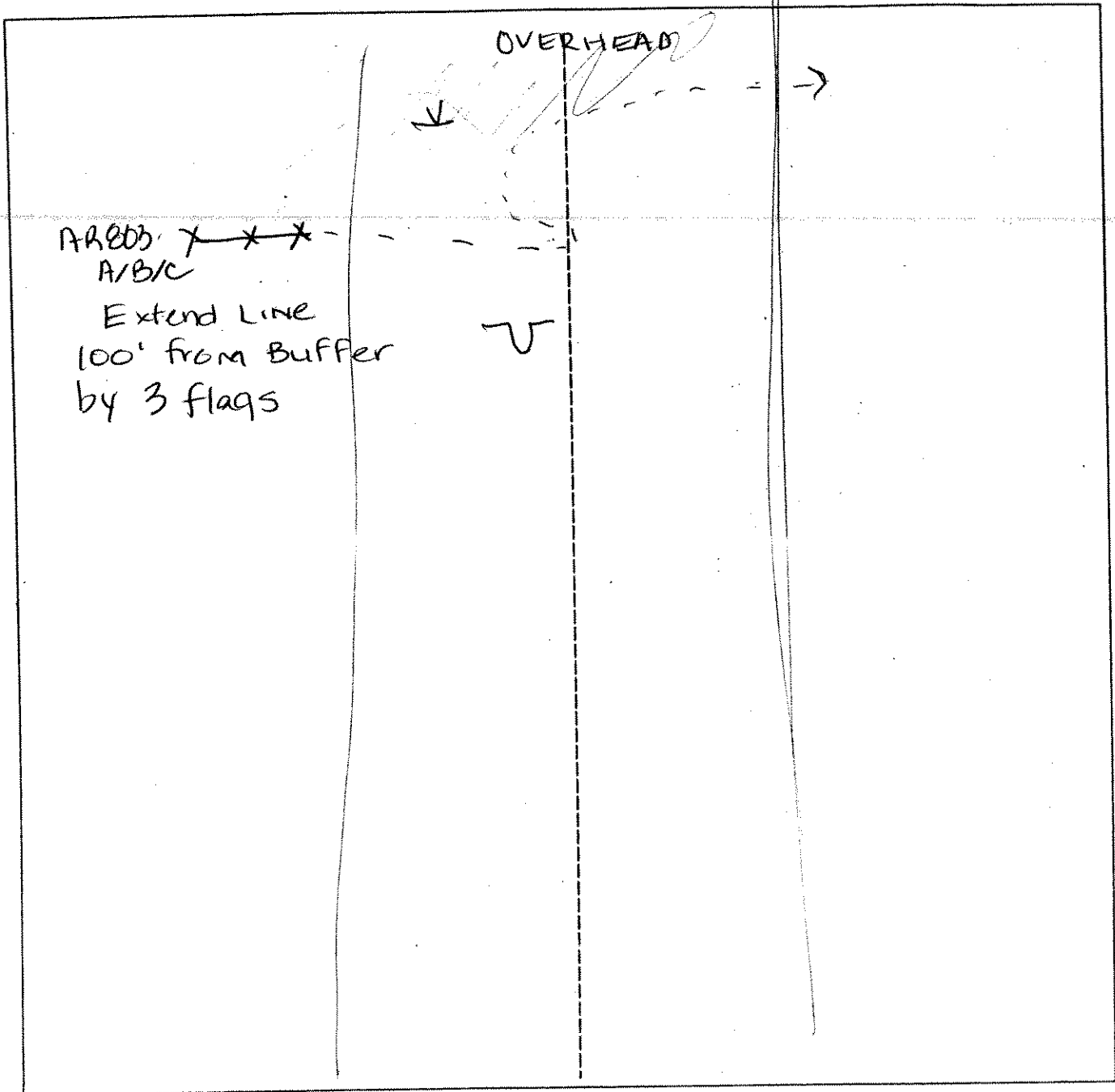


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Line Extension

SKETCH FORM

Wetland ID/Route #: AR003 A/B/C	Date: 8/26/06	Time:
Initials of Delineators: KF, AG, DO, TV	Location: OH E of Clinton Mills Rd	
Roll #:	Frames:	



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

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>RW</u>	Date: <u>5-8-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO1-Wetland</u> Transect ID: Plot ID: <u>AR804A-SSI</u>

VEGETATION

Plant Community Classification: <u>PFO1</u> Percent Canopy Cover: Tree: <u>90%</u> Shrub: <u>50%</u> Herb: <u>20%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>F</u>	<u>FAC</u>	9.		
2. <u>Populus grandidentata</u>	<u>FACW</u>	<u>FACU</u>	10.		
3. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Sphagnum sp.</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Moss sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Acer rubrum</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Amelanchier canadense</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Naccortium angustifolium</u>	<u>H</u>	<u>FACU</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks: <u>Sphagnum not thru entire area but is common</u>					

HYDROLOGY

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

Date: 5.8.06
 Community ID: Wetland
 Plot ID: AR804-A SSI

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations			
		Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR-2/1			organics
3-8	A ₁	10YR-3/2	10YR-4/4	common/coarse/dist	sandy silt
8-12	A ₂	2.5Y-5/2	2.5Y-5/6	common/coarse/distinct	sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
<p>photo # 3 => SWN</p>			

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-8-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>ARE001A-SS2</u>

VEGETATION

Plant Community Classification: <u>Maple Deciduous</u> Percent Canopy Cover: Tree: <u>90</u> % Shrub: <u>0</u> % Herb: <u>15</u> % Vine: <u>0</u> %					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC-</u>	11.		
4. <u>Amelanchier</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Juncus roemerianus</u>	<u>H</u>	<u>FACU</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks:					

HYDROLOGY

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

Date: 5-8-06
 Community ID: Upland
 Plot ID: A800A-SS2

SOILS

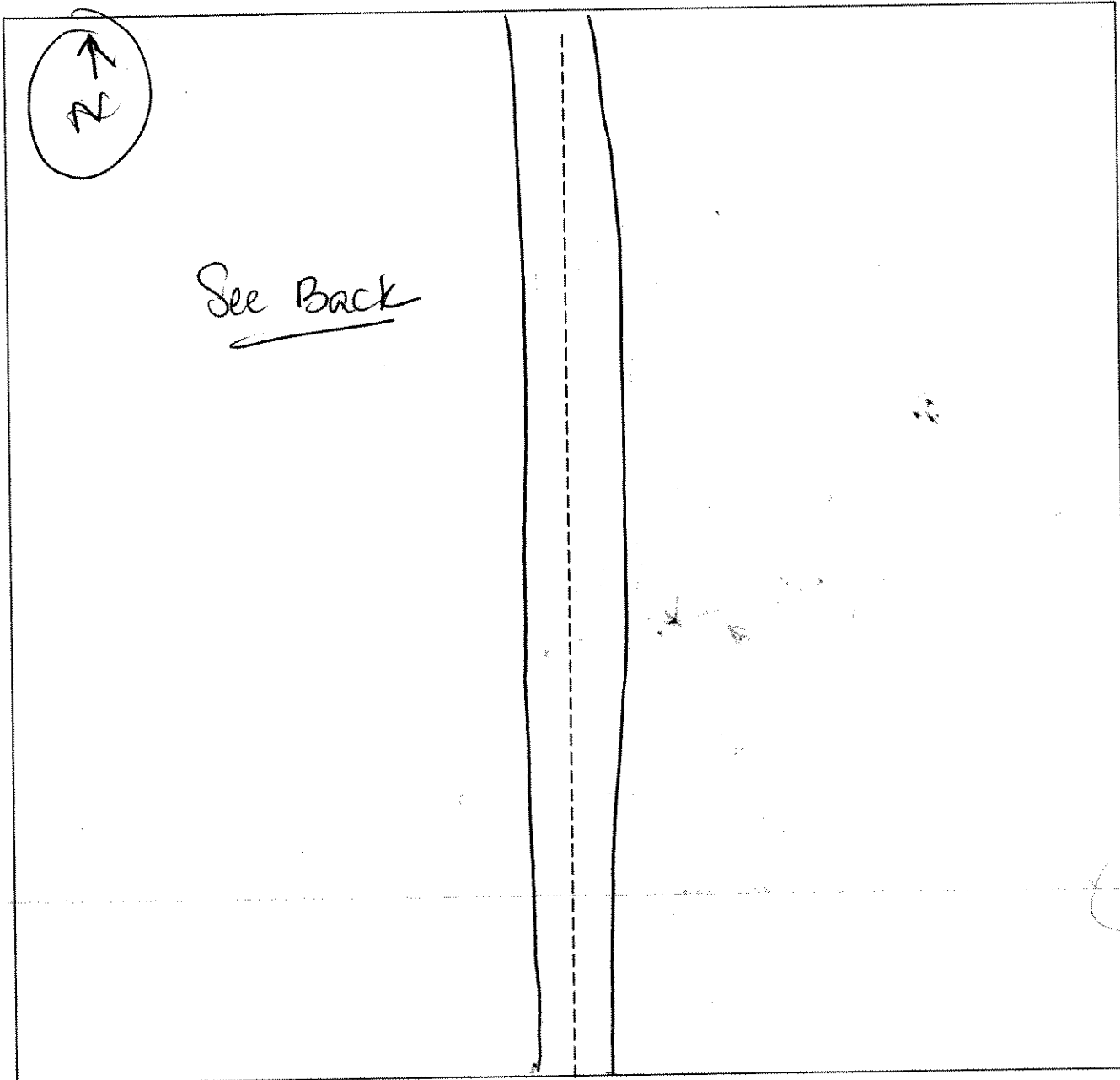
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	-	-	-	roots and peat
1-2	A	10YR-2/1	-	-	silt loam
2-3	E	7.5YR-4/2	-	-	silt sand
3-8	B	10YR-4/6	-	-	clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Auger refused at 8"					

WETLAND DETERMINATION

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

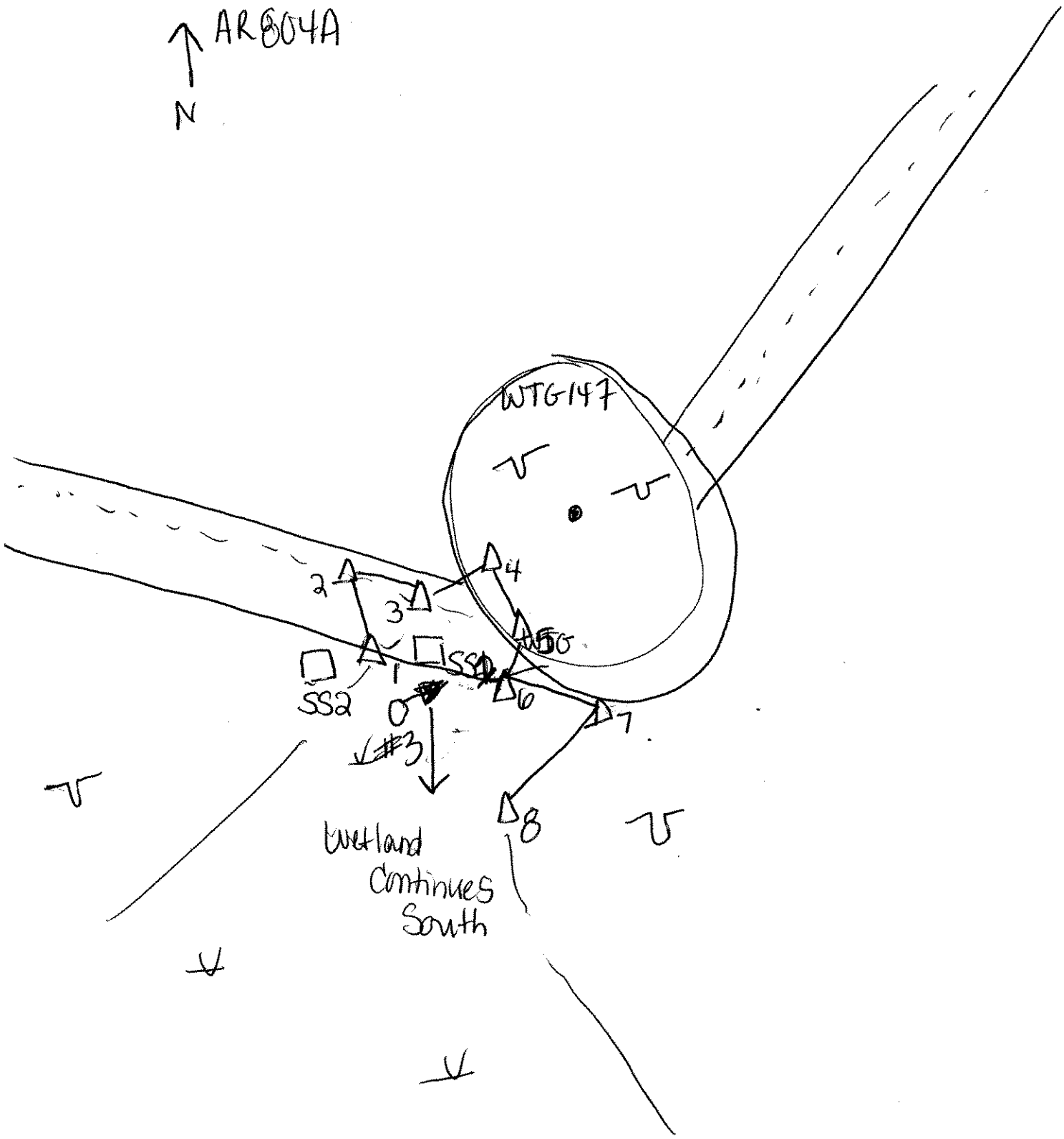
SKETCH FORM

Wetland ID/Route #: AR804A	Date: 5-8-06	Time:
Initials of Delineators: KHJV	Location: ARood to WTC 147	
Roll #: KH	Frames:	



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

↑ AR 804A
N



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

Project Site: <i>Noble Bros</i> Applicant/Owner: <i>Horizon and Penn LLC</i> Investigator: <i>KM, JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>AR 805 A/B</i>

VEGETATION

Plant Community Classification: <i>PT01/PEM</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>30</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alar Mbrum</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Alar Mbrum</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Gray Birch</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Moss SP</i>	<i>H</i>	<i>-</i>	13.		
6. <i>S Phragmites</i>	<i>H</i>	<i>OBL*</i>	14.		
7. <i>Rubus sp</i>	<i>H</i>	<i>FACW</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks: <i>*NOT listed; Assume OBL</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>16</i> Depth to Saturated Soil (in.): <i>0</i>	
Remarks:	

Date: 5/9/06
 Community ID: wetland
 Plot ID: ARBOS A/B

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O				Peat/Sphagnum
3-4	A	10YR-2/1			clay loam / roots
4-6	B	10YR-4/1			sandy clay

Hydro Soil Indicators

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

Remarks: refusal of auger at 6 inches

WETLAND DETERMINATION

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

Remarks: PIX# 6 looks like a SSI

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

Project Site: <i>Mackie Annex</i> Applicant/Owner: <i>Horizon and Power LLC</i> Investigator: <i>HH JV</i>	Date: <i>5/9/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <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>upad</i> Transect ID: Plot ID: <i>AA805A/B</i>

VEGETATION

Plant Community Classification: <i>Beech Maple Moss Forest</i> Percent Canopy Cover: Tree: <i>90</i> Shrub: <i>50</i> Herb: <i>70</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula pumila</i>	T	FACW	10.		
3. <i>Acer rubrum</i>	S	FAC	11.		
4. <i>Tree like club Moss</i>	H	FACW	12.		
5. <i>Carex Myuros</i>	H	FAC-	13.		
6. <i>Bracken fern</i>	H	FACW	14.		
7. <i>Trailing club Moss</i>	H	FACW	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>28%</i>					
Remarks: <i>Some speckled Alder in areas of wetland</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5/9/06
 Community ID: upland
 Plot ID: AA 805 AB

SOILS

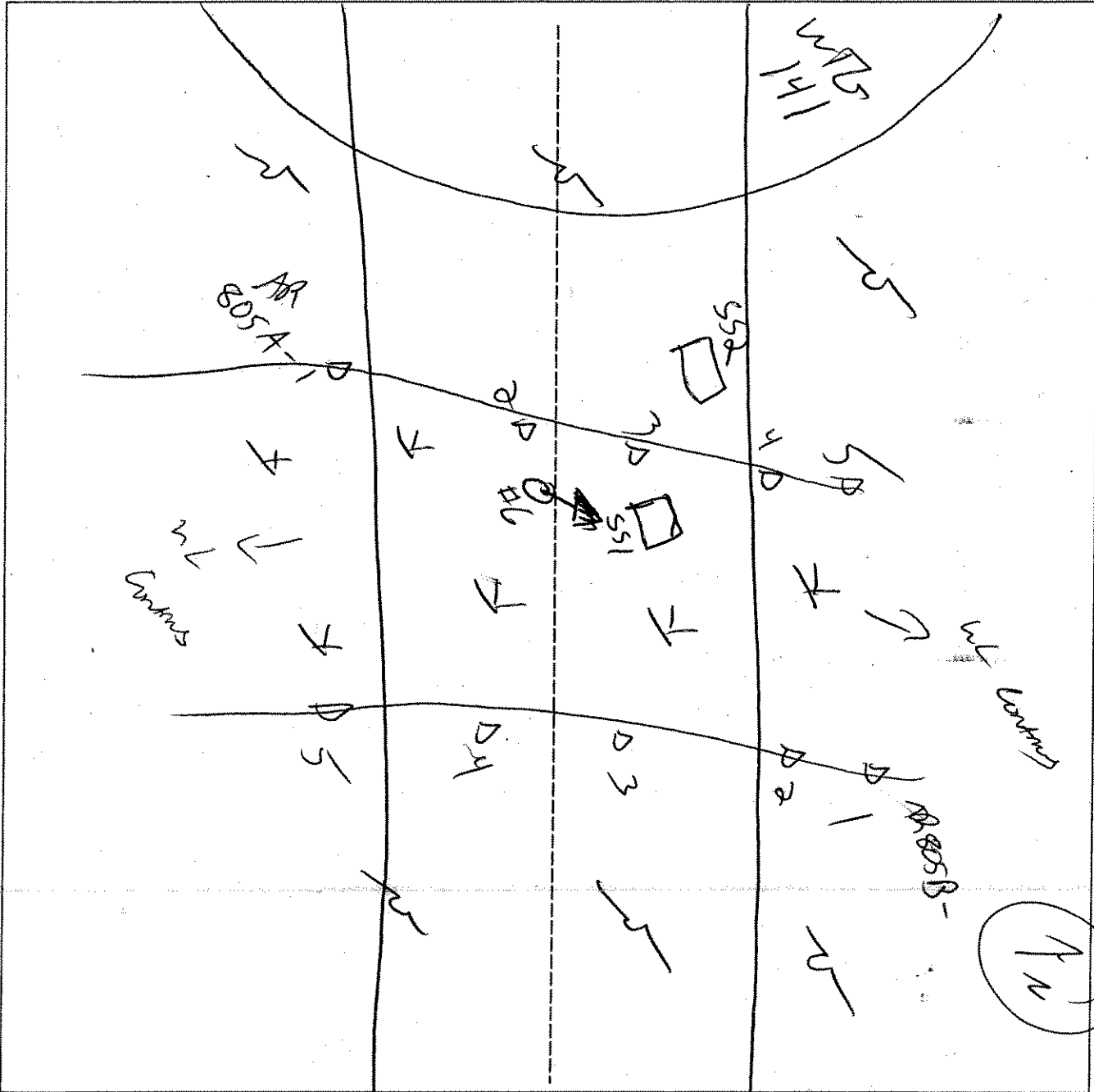
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1			10cm / roots
1-2	A	10YR-2/1			10cm / roots
2-3	E	10YR-4/2			sand
3-6	B ₁	7.5YR-4/6			clay loam
6-12	B ₂	7.5YR-4/4			clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of auger 12 inches					

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: <i>AR 805 AD</i>	Date: <i>5/9/06</i>	Time:
Initials of Delineators: <i>JKH, JV</i>	Location: <i>East of WB 141</i>	
Roll #: <i>VH</i>	Frames: <i>6 - North</i>	



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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon Wind Power LLC</i> Investigator: <i>KFI JV</i>	Date: <i>5-10-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes Is the area a potential Problem Area? <input checked="" type="radio"/> Yes (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>AR807A-SSI</i>

VEGETATION

Plant Community Classification: <i>PFO1PSS</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>50</i> Herb: <i>60</i> Vine: <i>2</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Coarcted Birch</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Coarcted Birch</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Herb Rubus</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>Sphagnum</i>	<i>H</i>	<i>*OBL</i>	12.		
5. <i>Gelder Hood sp</i>	<i>A</i>	<i>-</i>	13.		
6. <i>Moss sp</i>	<i>H</i>	<i>-</i>	14.		
7. <i>Comada Munglow</i>	<i>H</i>	<i>FAC-</i>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>80%</i>					
Remarks: <i>non growth, trees almost all same size</i> <i>-logged somewhat recently</i> <i>* preserved OBL</i>					

HYDROLOGY

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

Date: 5-10-06
 Community ID: Wetland
 Plot ID: AR07A - SSI

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O	10YR-2/1			organics/roots
6-12	E	10YR-5/2			Sandy clay
6-12	B ₁	10YR-4/2	7.5YR-5/8	Many/large/distinct	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: refusal of auger @ 12 inches					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: pit # 5 looks S @ SSI			

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>RHJV</u>	Date: <u>5-10-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR807A - S52</u>

VEGETATION

Plant Community Classification: <u>Poplar Forest</u> Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>50</u> Herb: <u>10</u> Vine: <u>0</u>																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. <u>Green Birch</u></td> <td><u>T</u></td> <td><u>FAC</u></td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. <u>Acer Rubrum</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. <u>Common Birch</u></td> <td><u>S</u></td> <td><u>FAC</u></td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. <u>Spotted Lily</u></td> <td><u>H</u></td> <td><u>UPL</u></td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5. <u>Canada Mayflower</u></td> <td><u>H</u></td> <td><u>FAC-</u></td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6. <u>Acer Rubrum</u></td> <td><u>H</u></td> <td><u>FAC</u></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. <u>Green Birch</u>	<u>T</u>	<u>FAC</u>	9.			2. <u>Acer Rubrum</u>	<u>S</u>	<u>FAC</u>	10.			3. <u>Common Birch</u>	<u>S</u>	<u>FAC</u>	11.			4. <u>Spotted Lily</u>	<u>H</u>	<u>UPL</u>	12.			5. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	13.			6. <u>Acer Rubrum</u>	<u>H</u>	<u>FAC</u>	14.			7.			15.			8.			16.		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator																																																	
1. <u>Green Birch</u>	<u>T</u>	<u>FAC</u>	9.																																																			
2. <u>Acer Rubrum</u>	<u>S</u>	<u>FAC</u>	10.																																																			
3. <u>Common Birch</u>	<u>S</u>	<u>FAC</u>	11.																																																			
4. <u>Spotted Lily</u>	<u>H</u>	<u>UPL</u>	12.																																																			
5. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	13.																																																			
6. <u>Acer Rubrum</u>	<u>H</u>	<u>FAC</u>	14.																																																			
7.			15.																																																			
8.			16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>66%</u>																																																						
Remarks: <u>* Not indicated / presumed upland</u>																																																						

HYDROLOGY

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

Date: 5-10-06
 Community ID: Upland
 Plot ID: ARE07A-552

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O/A	10YR-2/1	—	—	Sandy silt loam
1-10	E E	7.5YR-4/2	—	—	Sandy clay w/ roots
10-12	B B	7.5YR-4/4			

Hydro Soil Indicators

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

Remarks:

Refusal at 12" ; potential disturbance from previous logging activities

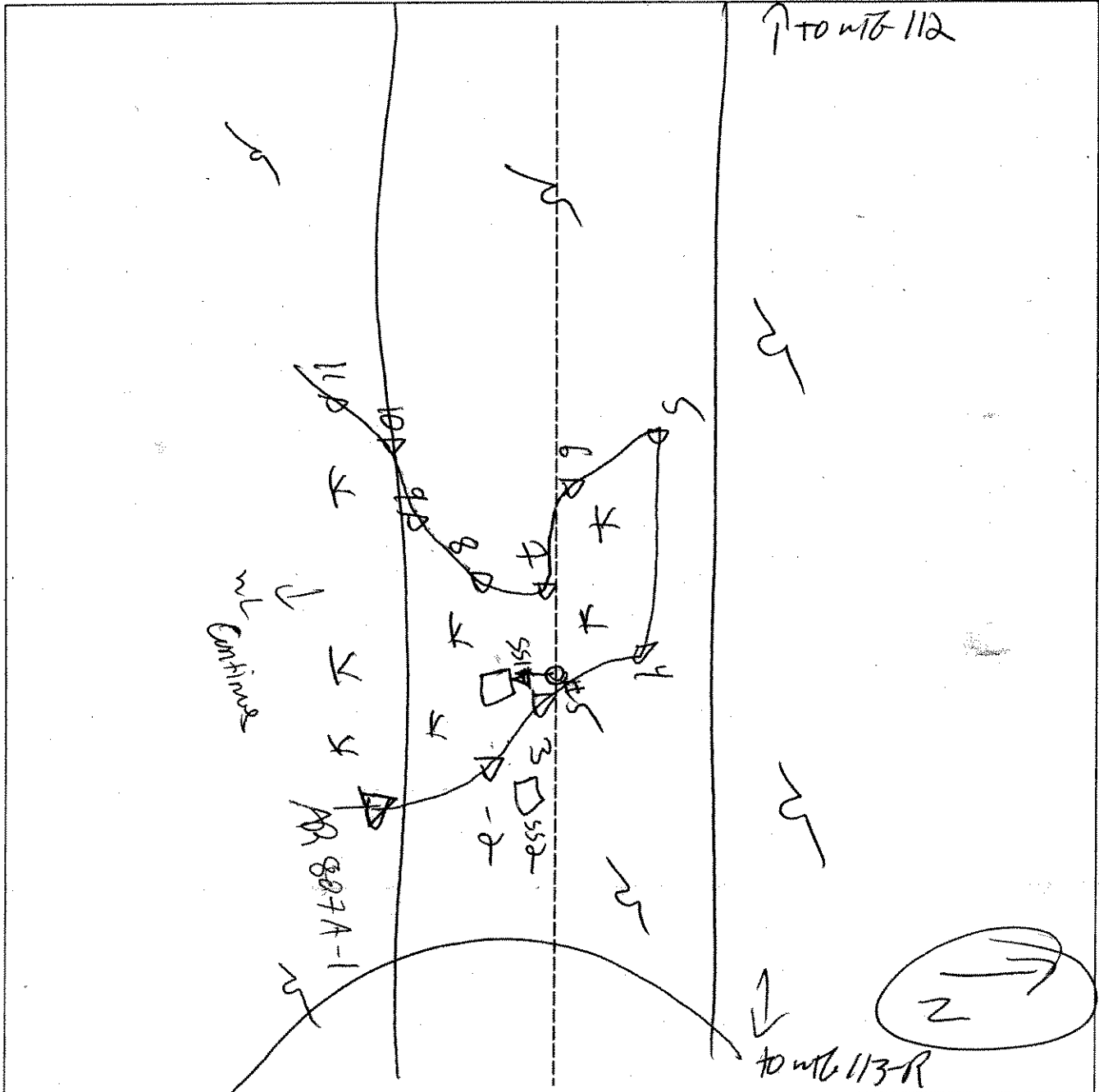
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: NR 807A	Date: 5/10/06	Time:
Initials of Delineators: KA, JV	Location: W16-113B-112	
Roll #: KA	Frames: 5	



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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Horizon and Power LLC</i> Investigator: <i>WHA, JV</i>	Date: <i>5/11/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? 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>AP808A-SS1</i>

VEGETATION

Plant Community Classification: <i>PP01</i>					
Percent Canopy Cover: Tree: <i>50</i> Shrub: <i>30</i> Herb: <i>20</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Corylus Bicox</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>Acer Rubrum</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>Sphagnum</i>	<i>H</i>	<i>OBL*</i>	12.		
5. <i>Carex Muehlenbergii</i>	<i>H</i>	<i>FAC-</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>* presumed obligate</i>					

HYDROLOGY

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

Date: 5/11/06
 Community ID: wetland
 Plot ID: AR 808A-551

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1	—	—	Organics/silt/roots
1-6	E	2.5Y-5/2	2.5Y-5/6	Common/coarse/faint	Sandy silt
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: disturbed soils from logging - wheel ruts from the wetland removal @ 6"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
Photo #1 => NW at S51			

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Horizon Wind Power LLC</u> Investigator: <u>KH JV</u>	Date: <u>5-11-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>AR009A-SS1</u>

VEGETATION

Plant Community Classification: <u>PF01/PSS</u>					
Percent Canopy Cover: Tree: <u>30</u> Shrub: <u>50</u> Herb: <u>50</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>
2. <u>Cory Birch</u>	<u>T</u>	<u>FAC</u>	10. <u>Golden Rod sp.</u>	<u>H</u>	<u>-</u>
3. <u>Cory Birch</u>	<u>S</u>	<u>FAC</u>	11. <u>Wood fern</u> ←	<u>H</u>	<u>FACT</u>
4. <u>Acer rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Wild Ginger</u> ⊕	<u>H</u>	<u>⊕NF</u>	13.		
6. <u>Canada Mayflower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Sphagnum</u>	<u>H</u>	<u>⊕OBL</u>	15.		
8. <u>Moss sp</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>87%</u>					
Remarks: ① ⊕ presumed Obligate ⊕ not indicated ② Identified in office as <u>Sarsaparilla</u>					

HYDROLOGY

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

Date: 5-11-06
 Community ID:
 Plot ID: AR 809A-SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
A/E					
0-5	A/E	2.5YR-3/1			Silt / clay
5-6	E ₂	2.5Y-4/2			sandy silt

Hydro Soil Indicators

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

Remarks:
 - Soils highly disturbed by logging
 - refusal of auger 6 inches

WETLAND DETERMINATION

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

Remarks
 pix # 2 looks like SCS

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

Project Site: <u>Mandale River</u> Applicant/Owner: <u>Horizon Windpower LLC</u> Investigator: <u>KHJV</u>	Date: <u>5-11-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>AR809A-SS2</u> <u>AR809A - SS2</u>

VEGETATION

Plant Community Classification: <u>Deciduous Forest Mix</u> Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>10</u> Herb: <u>15</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Quaking Aspen</u>	<u>T</u>	<u>FACU</u>	9. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>
2. <u>Grey Birch</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Quaking Aspen</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Grey Birch</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Red maple</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Canada mayflower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Goldenrod sp</u>	<u>H</u>	<u>-</u>	15.		
8. <u>Black Raspberry</u>	<u>H</u>	<u>FACU-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>38%</u>					
Remarks:					

HYDROLOGY

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

Date: 5-11-06
 Community ID: Upland
 Plot ID: AR808A-SS2
 AR809A-SS2

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-1	O	10YR-2/1	-	-	Leaves/om
0-6	A ₁	7.5YR-3/3	-	-	Silt loam
6-12	A ₂	7.5YR-3/4	-	-	Sandy silt
12-18	A ₃	10YR-4/4	-	-	Sandy silt

Hydro Soil Indicators

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

Remarks:
 12-18" inclusions of inclusions
 soils disturbed by logging

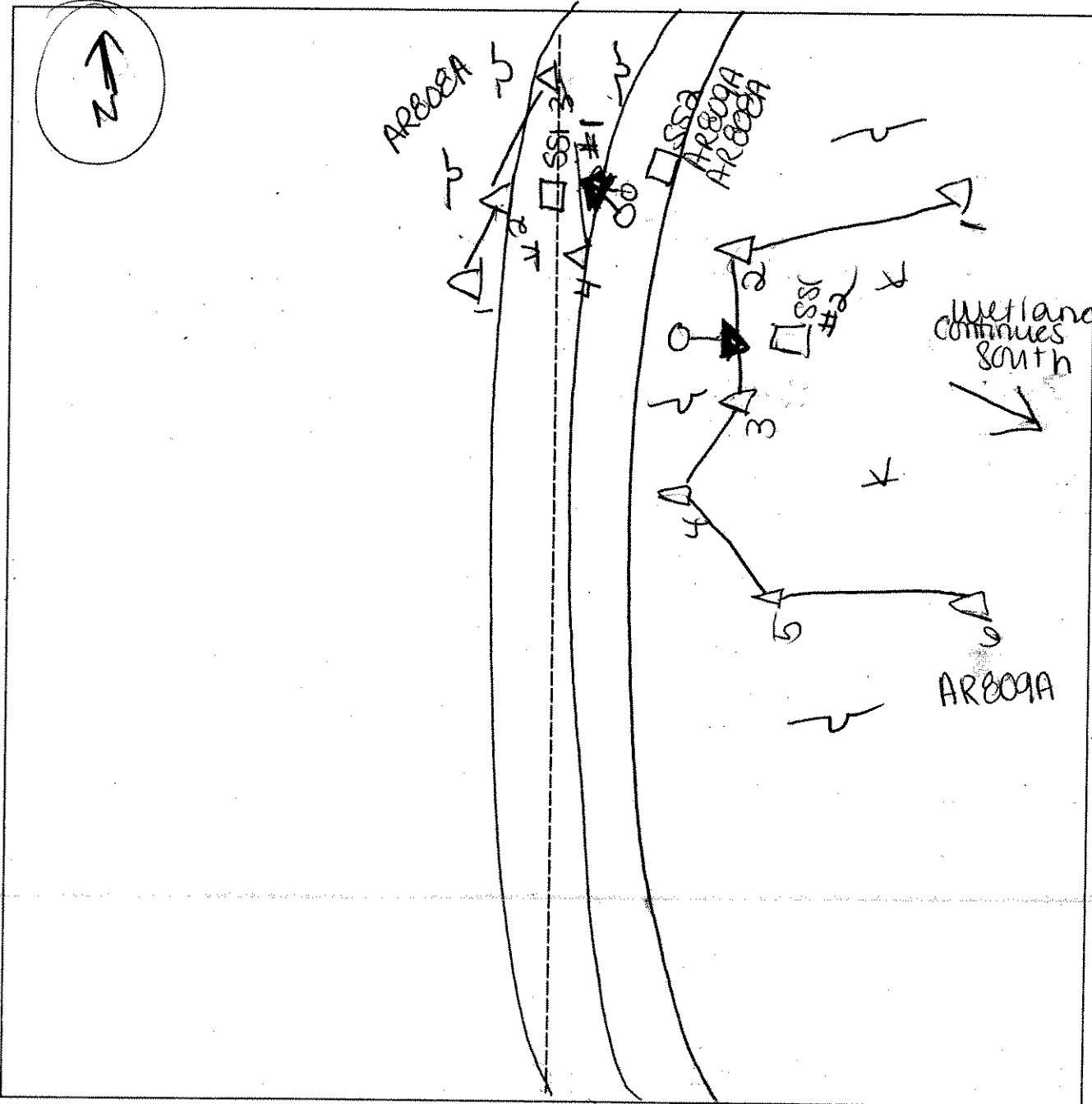
WETLAND DETERMINATION

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

Remarks
 shared upland point AR808A + AR809A

SKETCH FORM

Wetland ID/Route #: AR808A, AR809A	Date: 5-11-06	Time:
Initials of Delineators: KHJV	Location: Access road to turbine WIG-113R	
Roll #:	Frames: 1 facing NW at AR808ASS1 and 2 facing S at AR809ASS1	



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

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

ARB09A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PF01</u> Transect ID: Plot ID: <u>ARB09 A 551</u>

VEGETATION

Plant Community Classification: <u>Red maple mesic</u> Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>45</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Morus nigra</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>Phragmites</u> <u>50%</u>	<u>H</u>	<u>OBL</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 5/10/07
 Community ID: wetland soil
 Plot ID: AR809 A

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/1			silt
4-8	A	10YR 4/2	2.5Y 6/2	light, fin, fine	clay loam
8-12	B	2.5Y 5/4			sandy loam

Hydro Soil Indicators

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

Remarks: saturated @ 0", standing H₂O imp @ 4"

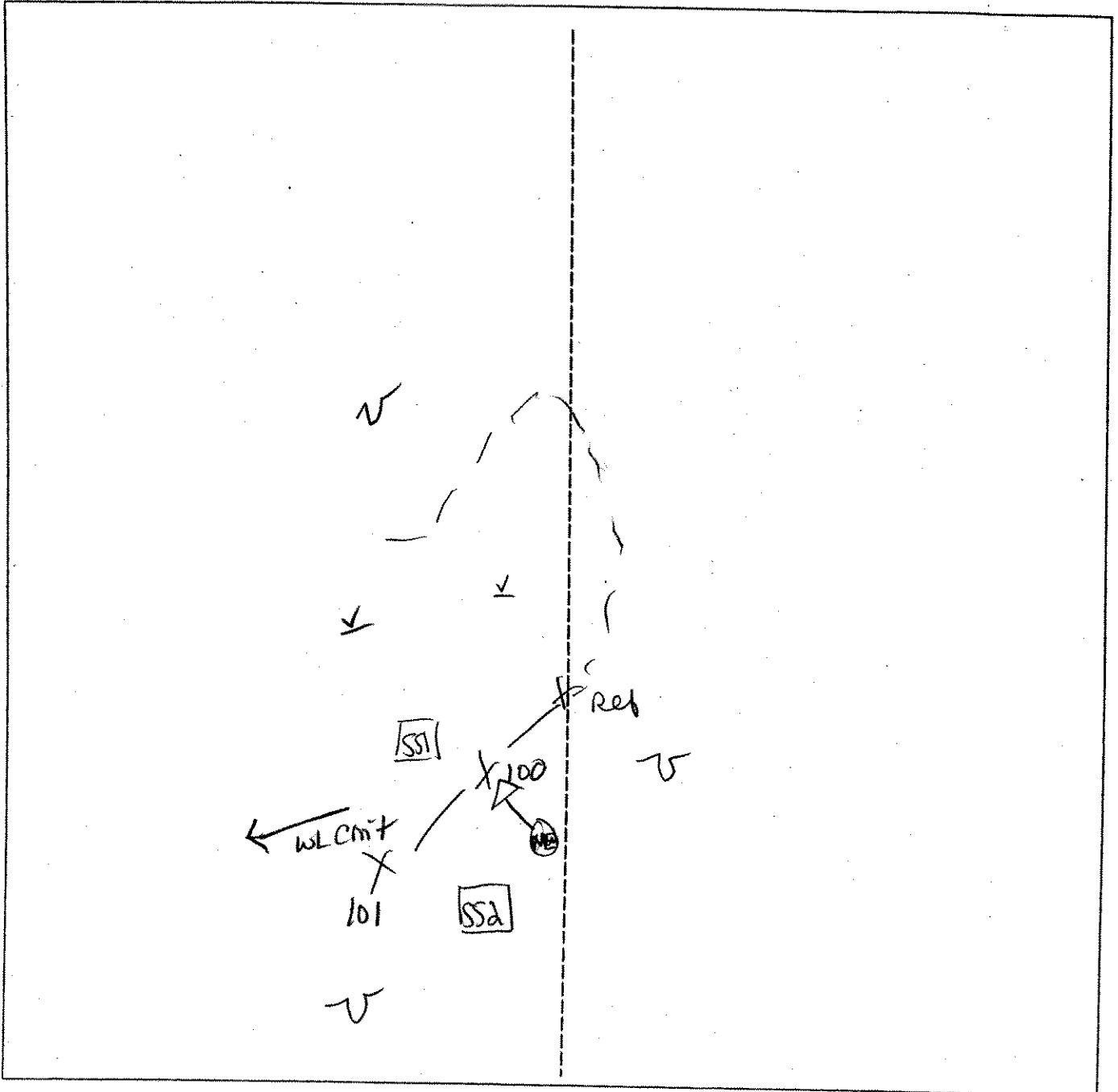
WETLAND DETERMINATION

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

Remarks mapped NWI WL
 photo = NE

SKETCH FORM

Wetland ID/Route #: AR009 A EXTENSION	Date: 5/10/07	Time:
Initials of Delineators: JV AP	Location: T. 12	
Roll #: Frames: 2 NE		



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

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

Project Site: <u>MARBLE River River, LLC</u>	Date: <u>5/15/06</u>
Applicant/Owner: <u>MARBLE River River, LLC</u>	County: <u>Clinch</u>
Investigator: <u>JAN, JV</u>	State: <u>NT</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WERAM1</u> Transect ID: <u>AR816A</u> Plot ID: <u>SSI</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION PKO/PSS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>20</u> Shrub: <u>60</u> Herb: <u>100%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>MARSH SWEET</u>	<u>S</u>	<u>FACW</u>	9. <u>MAY GLOVER</u>	<u>H</u>	<u>FAC-</u>
2. <u>SERVICE BERRY</u>	<u>S</u>	<u>FAC</u>	10. <u>CLUB MUSH</u>	<u>H</u>	<u>FAC</u>
3. <u>GRAY HORSE</u>	<u>S/T</u>	<u>FAC</u>	11. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>
4. <u>RED MAPLE</u>	<u>S/T</u>	<u>FAC</u>	12.		
5. <u>DEAK WILLOW</u>	<u>S</u>	<u>FACW</u>	13.		
6. <u>LD. BLEBBY</u>	<u>H/S</u>	<u>FACU-</u>	14.		
7. <u>SPLASH MUSH</u>	<u>H</u>	<u>OBL-</u>	15.		
8. <u>CAREX SP</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>72%</u>					
Remarks: <u>* Not listed; presumed OBL</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input 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"</u> Depth to Free Standing Water in Pit (in.): <u>0</u> Depth to Saturated Soil (in.): <u>0</u>	
Remarks:	

Date: 5/15/06
 Community ID: WETLAND
 Plot ID:

AR 816A-SS1

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	O	2.5YR 5/3	—	—	DRY
12-17	A	10YR 2/1	—	—	rk silt
17-18	B	10YR 0/2	—	—	silty clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

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

Project Site: <u>MORISIE River</u> Applicant/Owner: <u>MORISIE River, LLC</u> Investigator: <u>RAD, JV</u>	Date: <u>5/15/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>AR816A</u> Plot ID: <u>552</u>

VEGETATION Upland Decid Forest

Plant Community Classification: _____
 Percent Canopy Cover: Tree: 80 Shrub: 75 Herb: 60 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>GRAY birch</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Trailing Club Moss</u>	<u>H</u>	<u>FACU-</u>
2. <u>RED maple</u>	<u>T/S</u>	<u>FAC</u>	10. <u>American Beech</u>	<u>S</u>	<u>FACU</u>
3. <u>L.D. Blueberry</u>	<u>S-</u>	<u>FACU-</u>	11.		
4. <u>may flower</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>BRACKEN fern</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>service berry</u>	<u>S/H</u>	<u>FAC</u>	14.		
7. <u>Clubmoss</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Striped Maple</u>	<u>S</u>	<u>FACU</u>	16.		

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

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5/15/06
 Community ID: UPLA
 Plot ID: AR816A-SS2

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/Contrast	
0-3	O	10YR2/1	—	—	ORGANICS
3-9	A	10YR 3/2	—	—	Sandy clay loam
9-12	B	10YR 4/2	—	—	SANDY CLAY

Hydro/Soil Indicators

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

Remarks:
 Perm of A horizon 12"

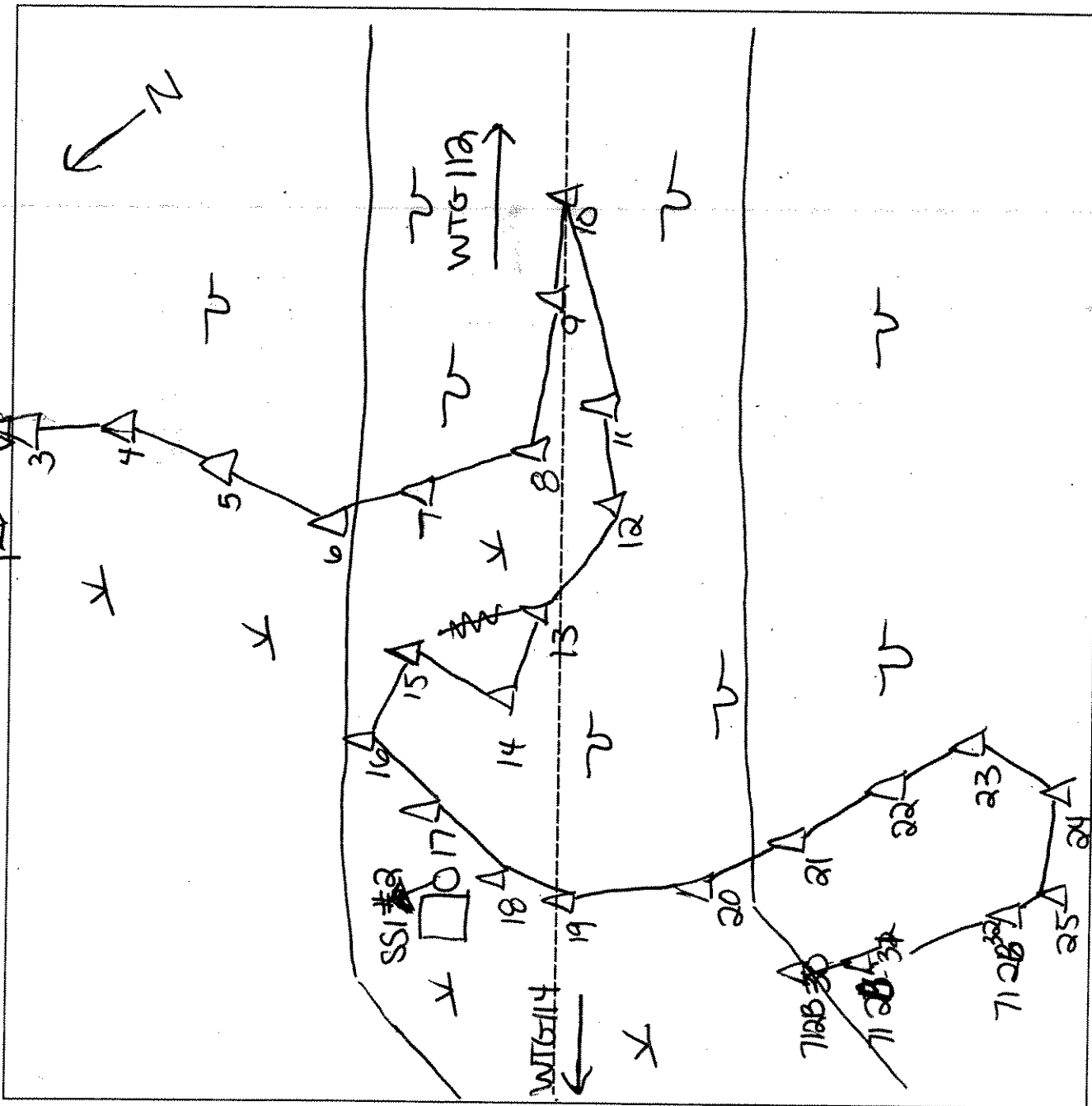
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: AR816A (reference 712B 30-32)	Date: 5-15-06	Time:
Initials of Delineators: BD, JV	Location: Access road to WTG 112 + WTG 114	
Roll #: 2 =>	Frames:	



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

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

Project Site: <u>MARBIE RIVER</u> Applicant/Owner: <u>MARBIE RIVER, LLC</u> Investigator: <u>RTD, J.V.</u>	Date: <u>5/20/06</u> County: <u>Clinton</u> State: <u>NY</u>								
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Yes	No	<input checked="" type="radio"/>	<input type="radio"/>	Yes	No	<input type="radio"/>	<input checked="" type="radio"/>
Yes	No								
<input checked="" type="radio"/>	<input type="radio"/>								
Yes	No								
<input type="radio"/>	<input checked="" type="radio"/>								
Community ID: <u>MESIC</u> Transect ID: <u>AR825A</u> Plot ID: <u>551</u>									

VEGETATION

FORWARDS

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>65</u> Herb: <u>75</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>marsh w. succ</u>	<u>S</u>	<u>FACW</u>
2. <u>gray birch</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>TAI WOOD</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Tolerated fern</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Club moss</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Tree-lila-Club moss</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>MAY FLOWER</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>CAREX sp</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 72%

Remarks: FEW scattered stands of sphry moss.
VEG marginal marsh, FAC

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>6+"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0'</u>	Remarks: <u>Bottoming</u> <u>photo 1 → EAT wetland from AR825A-2</u>

Date: 5/20/06
 Community ID: m21c
 Plot ID: AR825A-SS1

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: <u>Maule River</u> Applicant/Owner: <u>Maule River LLC</u> Investigator: <u>RJD IV</u>	Date: <u>5/20/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>none</u> Plot ID: <u>AR825A-552</u>

VEGETATION

Plant Community Classification: <u>upland deciduous w/ scattered conifers</u> Percent Canopy Cover: Tree: <u>90%</u> Shrub: <u>75%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>R. Maple</u>	<u>T/SH</u>	<u>FAC</u>	9.		
2. <u>B. Cherry</u>	<u>T/S</u>	<u>FACU</u>	10.		
3. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>Tree Clubmoss</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>May Flower</u>	<u>H</u>	<u>FAC-</u>	14.		
7. <u>Meadow Sweet</u>	<u>H</u>	<u>FACW</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>75%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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: 5-30-06
 Community ID: *Wetland Upland*
 Plot ID: *AKB25A.552*

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A ₁	10YR-2/1	-	-	Silt loam w/ Organic
3-10	A ₂	10-5YR-3/4	-	-	silt loam
10-14	B ₂	7.5YR-4/6	-	-	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>RJD JV</i>	Date: <i>5-20-00</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>ARB25B-551</i>

VEGETATION

DH1101A

Plant Community Classification: *PFO1*
Percent Canopy Cover: Tree: *55%* Shrub: *40%* Herb: *45%* Vine: *1%*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>R. Maple</i>	<i>T/S</i>	<i>FAC</i>	9. <i>Dayflower</i>	<i>H</i>	<i>FAC-</i>
2. <i>B. Firch</i>	<i>T/S</i>	<i>FAC</i>	10.		
3. <i>A. ASPEN</i>	<i>T</i>	<i>FACU</i>	11.		
4. <i>Bk Spruce</i>	<i>T</i>	<i>FACU-</i>	12.		
5. <i>B. Fir</i>	<i>T/S</i>	<i>FAC</i>	13.		
6. <i>Service Berry</i>	<i>S</i>	<i>FAC</i>	14.		
7. <i>Meadow Sweet</i>	<i>S</i>	<i>FACW</i>	15.		
8. <i>Carex sp.</i>	<i>H</i>		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-) *46%*

Remarks:

HYDROLOGY

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

Date: 5-20-06
 Community ID: Wetland
 Plot ID: K825A-SSI
 OH1101A

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.
0-4	A	10YR 2/1			SH loam w/organ
4-10	A2	10YR 5/2	[mix		sandy clay loam
		10YR 6/2			

Hydro Soil Indicators

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

Remarks: 4-10" includes streaking
 Refusal @ 10"

WETLAND DETERMINATION

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

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>RTD UV</i>	Date: <i>5-20-04</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>upland</i> Transect ID: Plot ID: <i>AR025B-SS2</i>

VEGETATION

Plant Community Classification: *Deciduous Forested w/ scattered conifers*
 Percent Canopy Cover: Tree: *10%* Shrub: *50%* Herb: *45%* Vine: *0*
 OH1101-A

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>R. Maple</i>	<i>T/S/H</i>	<i>FAC</i>	9. <i>Tree Clubmoss</i>	<i>H</i>	<i>FACU</i>
2. <i>G. Birch</i>	<i>T</i>	<i>FAC</i>	10. <i>B. Fir</i>	<i>S</i>	<i>FAC</i>
3. <i>American Beech</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>A. Aspen</i>	<i>T</i>	<i>FAC</i>	12.		
5. <i>Bracken Fern</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>M. L. Flower</i>	<i>H</i>	<i>FAC-</i>	14.		
7. <i>Cherty - Ak</i>	<i>H</i>	<i>FACU</i>	15.		
8. <i>Fr. Ling. Clubmoss</i>	<i>H</i>	<i>FACU-</i>	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 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: 10-20-06
 Community ID: Upland
 Plot ID: ARB35B-552

OH1101-A

SOILS

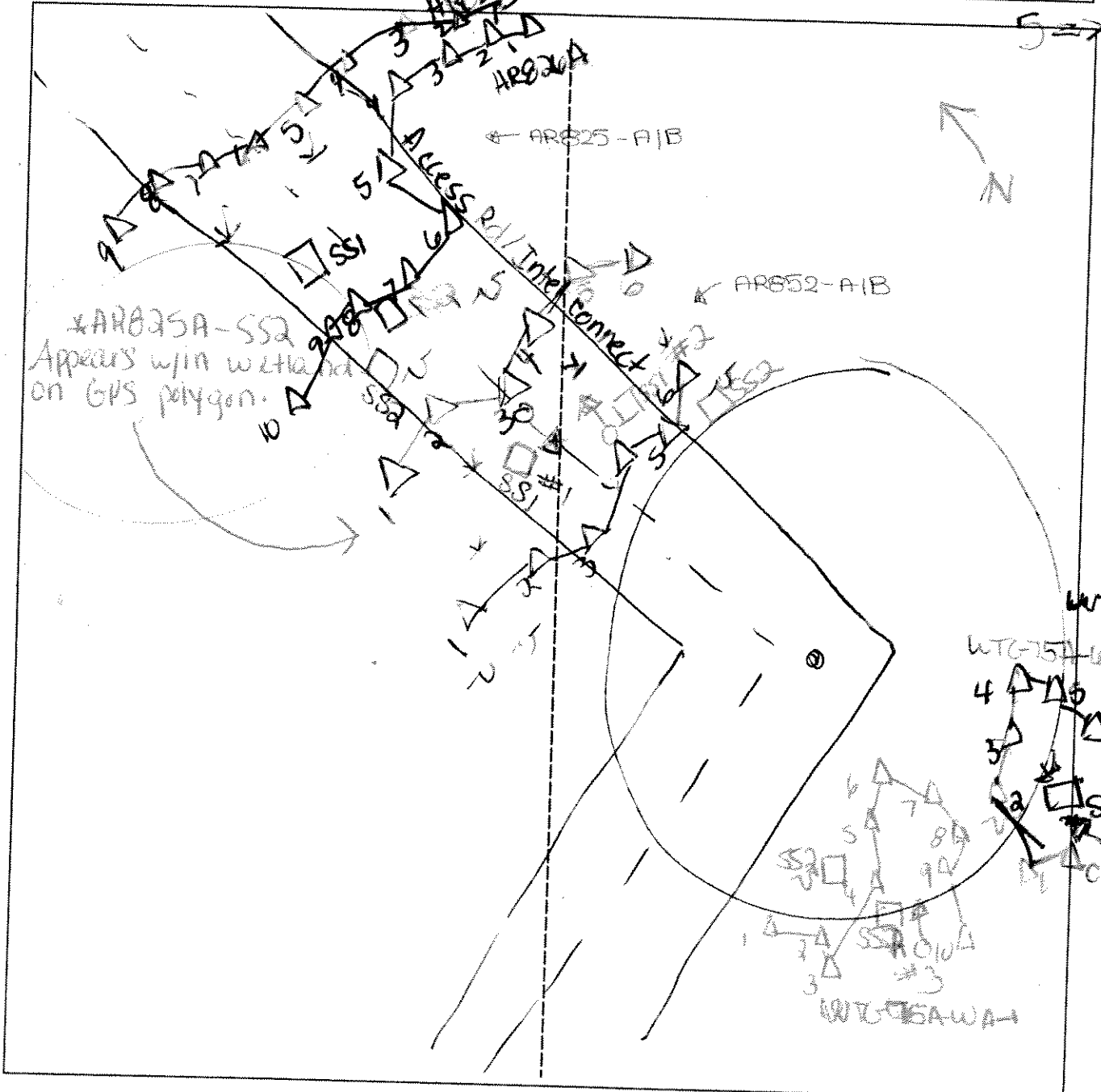
Map Unit Name (Series and Phase): Taxonomy (SubGroup):		Drainage Class: Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR-3/1	—	—	Silt loam w/ organics
3-7	B ₂	7.5YR-5/2	—	—	Sandy clay loam
7-14	B ₂	7.5YR-4/6	—	—	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal @ 14"					

WETLAND DETERMINATION

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

SKETCH FORM

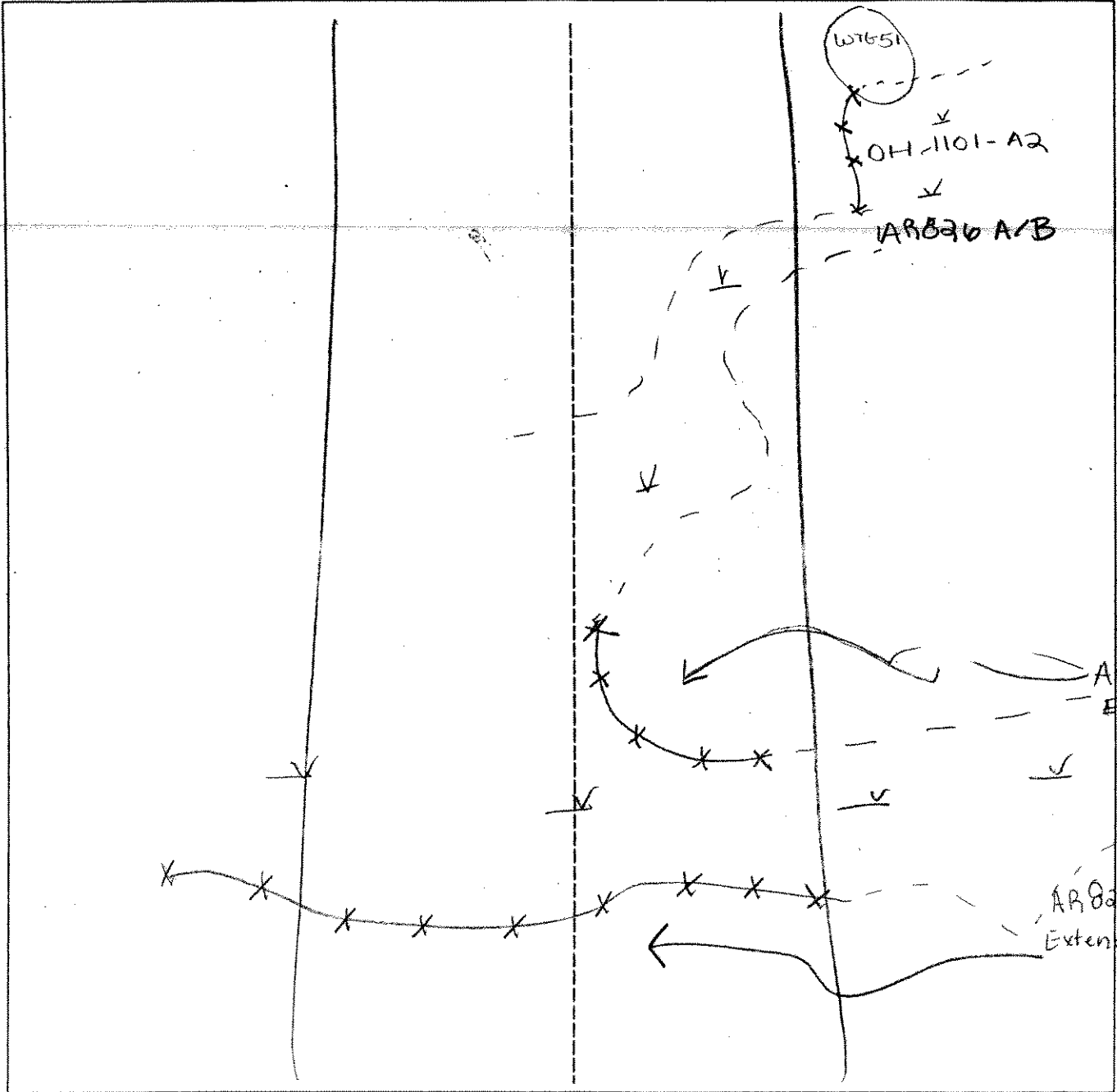
Wetland ID/Route #: A-025A/B, WTC-75A/B		Date: 5-20-06	Time:
Initials of Delineators:		Location: Access Rd / Interconnect to turbine 75A-W	
Roll #:	Frames: 1 => SW of SS1/6B, 2 => NW of SS1, 3 => SW of SS1, 4 => NW, 5 => NE		



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

SKETCH FORM

Wetland ID/Route #: AR025 A/B and OH-1101-A2		Date: 8-23-06	Time:
Initials of Delineators:		Location: OH from Rt-11 North	
Roll #:	Frames:		

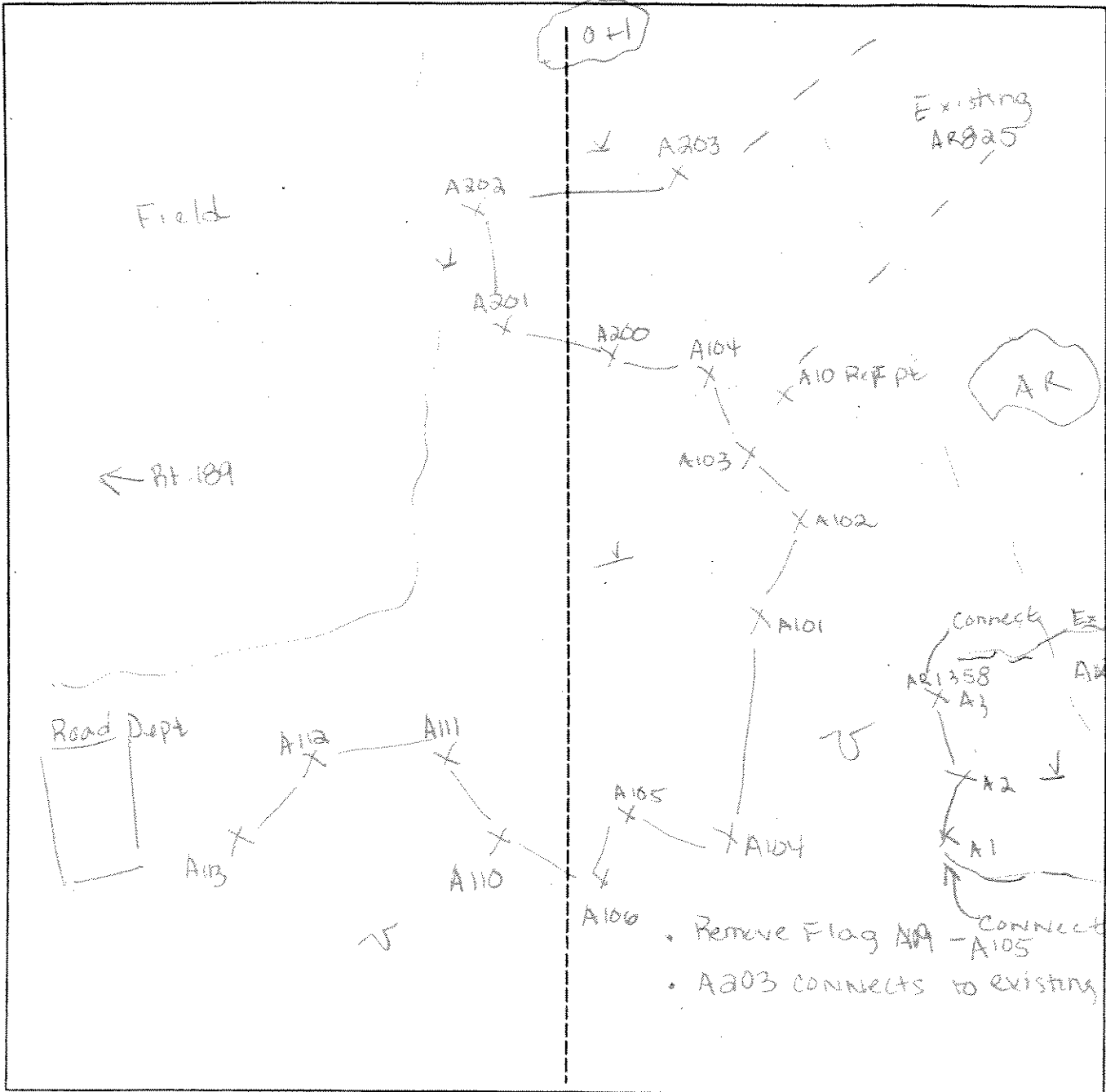


Route 109

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

SKETCH FORM

Wetland ID/Route #: AR825 A	Date: 11/8/10	Time: 1300
Initials of Delineators: JB JV	Location: OH LINE C 189 + 11 INTERSECTION	
Roll #:	Frames:	



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