

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO JV</u>	Date: <u>12/19/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>PSS / PEM</u> Transect ID: Plot ID: <u>IC 360 / IC 361 SSI</u>

VEGETATION

Plant Community Classification: <u>PSS / PEM</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>20%</u> Herb: <u>75%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Barked Willow</u>	<u>S</u>	<u>FACW</u>	9.		
2. <u>Silky Willow</u>	<u>S</u>	<u>FACW</u>	10.		
3. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Red Osier</u>	<u>S</u>	<u>FACW</u>	12.		
5. <u>Cattail</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Carex sp.</u>	<u>H</u>	<u>—</u>	14.		
7. <u>Wool Grass</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 type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>10"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 12/19/06
 Community ID: PSS/PETM
 Plot ID: IC300/IC301 - SSI

SOILS

Map Unit Name (Series and Phase): Taxonomy (SubGroup):		Drainage Class: Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/2			organic soil site
6-16	B	10YR 2/1			silt clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetlands Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks: Photo 4 #364 => NE 5 #365 => SW DEC wetland (non-isolated) snow cover ~ 2'	

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BD JV</i>	Date: <i>12/19/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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>Roadside</i> Transect ID: Plot ID: <i>IC360/361A-25</i>

VEGETATION

Plant Community Classification: <i>Roadside</i>					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>5</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Solidago sp</i>	<i>H</i>	<i>-</i>	9.		
2. <i>Prunus serotina</i>	<i>S</i>	<i>FACU</i>	10.		
3. <i>Asclepias (common)</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Abies balsamea</i>	<i>S</i>	<i>FAC</i>	12.		
5. <i>Eve primrose</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 12/19/06
 Community ID: Roadside
 Plot ID: IC360/201 A - 552

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 3/3			Silt loam w/ gravel

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

WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC360A	Date: 12/17/06	Time: 1541
Initials of Delineators: RD JV	Location: IC along Clinton Mills	
Roll #:	Frames:	

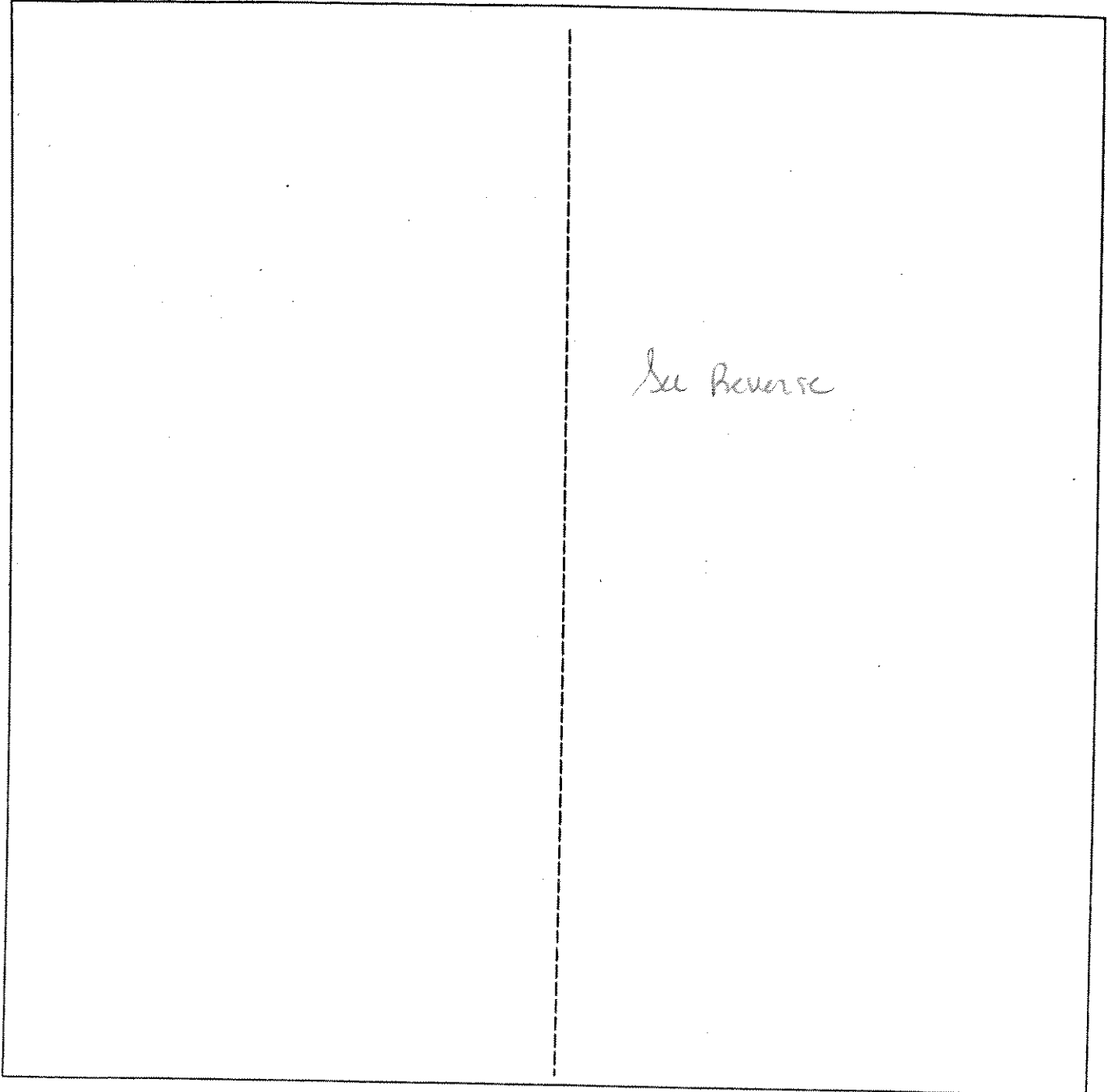
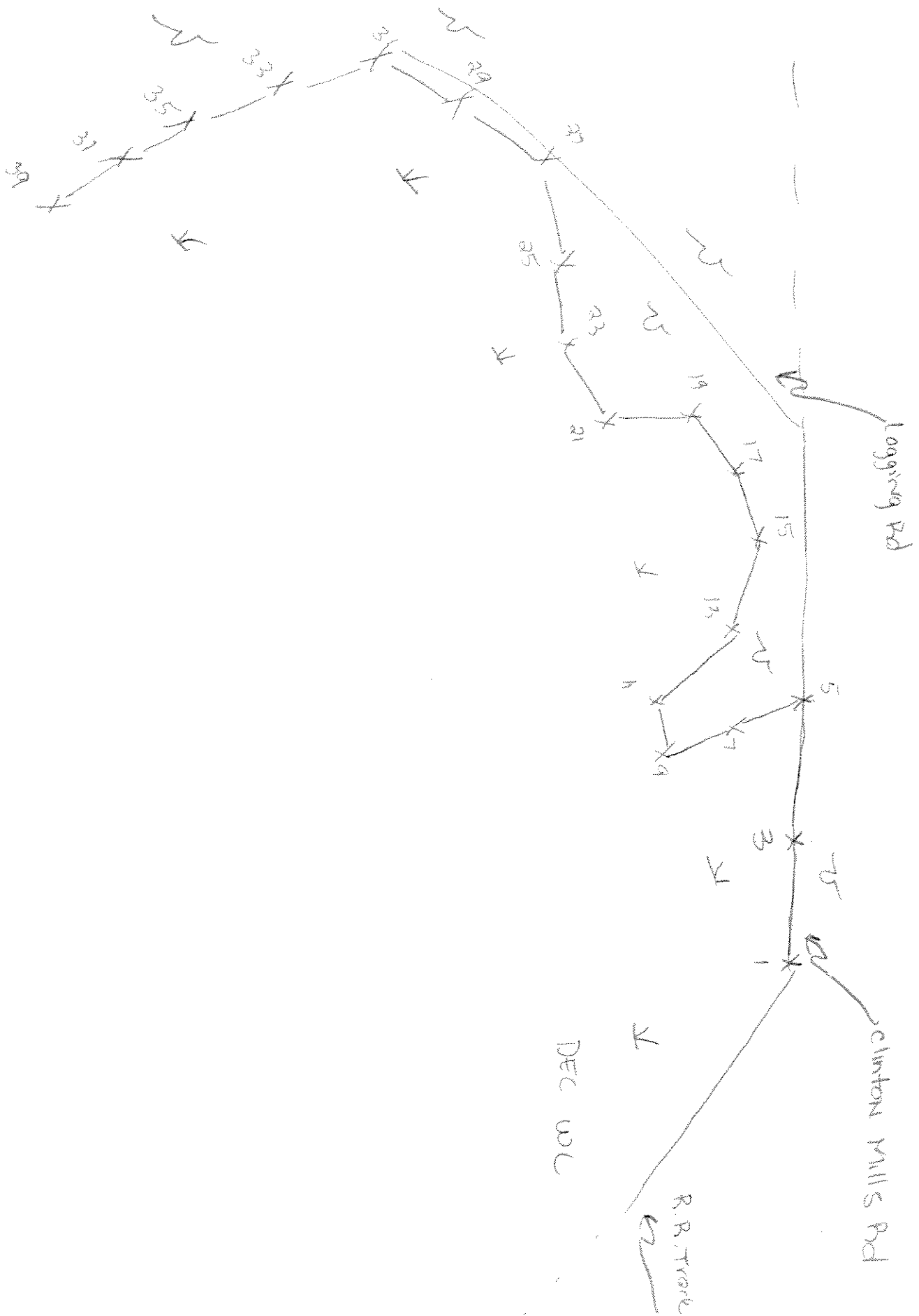
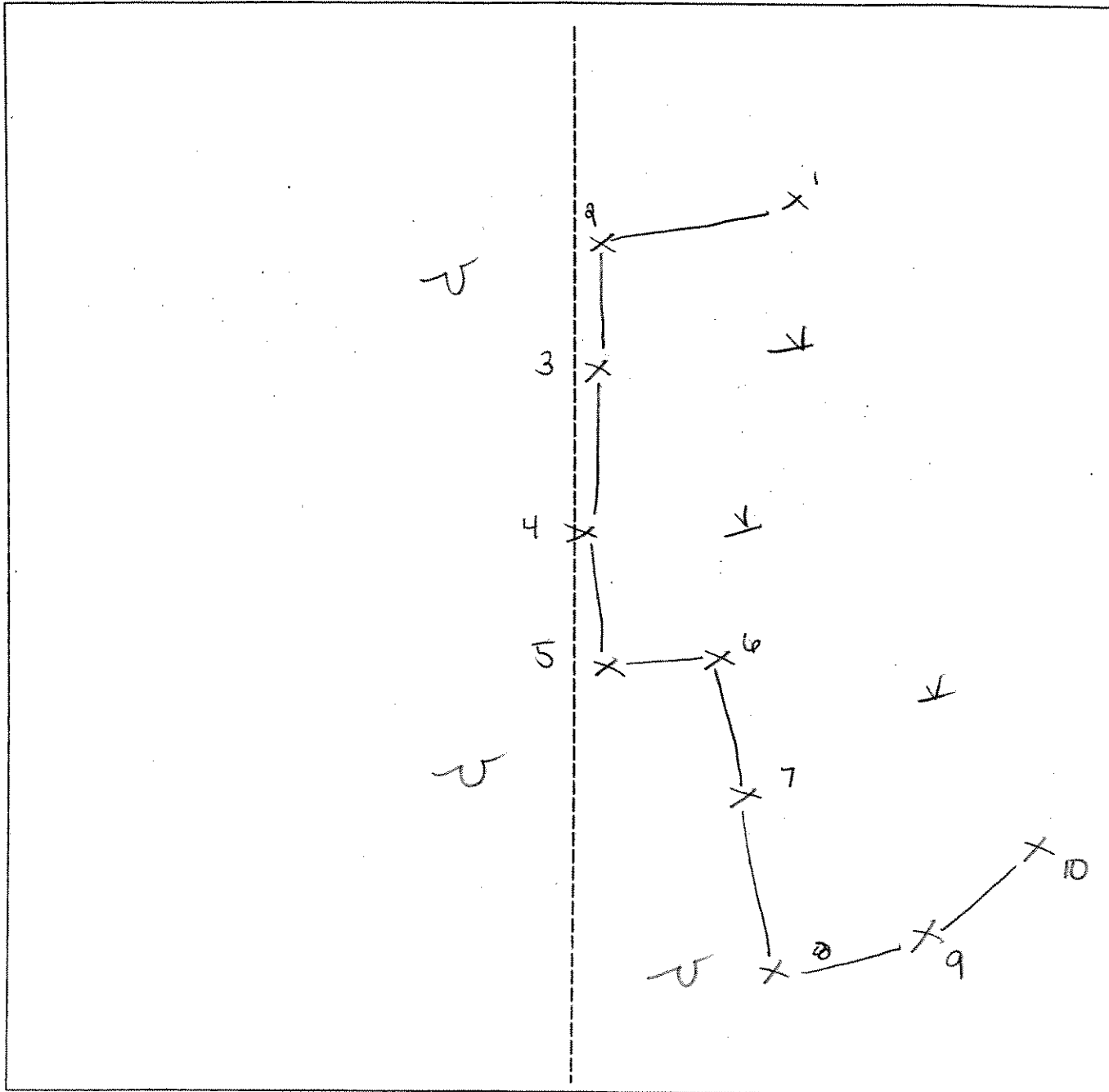


	Photo Location/Direction		Wetland
	Sample Station		Upland
	Centerline		Stream
	Flag		Intermittent Stream



SKETCH FORM

Wetland ID/Route #: IC301 A	Date: 10/19/06	Time: 1445
Initials of Delineators: AD JV	Location: Clinton Mills Rd (IC)	
Roll #:	Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJ JV</i>	Date: <i>12/20/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PSS/PEM</i> Transect ID: Plot ID: <i>IC 364A-551</i>

VEGETATION

Plant Community Classification: <i>PSS</i> Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>85%</i> Herb: <i>65%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus rugosa</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Acer rubrum</i>	<i>S</i>	<i>FAC</i>	10.		
3. <i>Amelanchier sensibilis</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Carex</i> sp	<i>H</i>	<i>—</i>	12.		
5. <i>Solidago</i> sp	<i>H</i>	<i>—</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Betula populifolia, Acer rubrum also in wetland outside of sample station.</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <i>in areas</i> <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>15" in areas</i> Depth to Free Standing Water in Pit (in.): <i>14-16"</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Photo 1 @ South Area Pt 189 " 2 @ East</i>	

Date: 12/20/04
 Community ID: WETLAND PSS/PEI
 Plot ID:

ICE64A-551

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 2/2	-	-	SILT CLAY LOAM
10-18	B	10YR 5/2	10YR 6/6	Common	SANDY CLAY LOAM *

Hydro Soil Indicators

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

Remarks: #816 streaking

WETLAND DETERMINATION

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

Remarks
 DEC WSL (Non isolated)
 Snow cover approx 2"

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RD JV</i>	Date: <i>12/20/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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>1C364A552</i>

VEGETATION

Plant Community Classification: <i>Hay Field</i>					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>100%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Taraxacum officinale</i>	H	FACU	9.		
2. <i>Ranunculus acris</i>	H	FAC	10.		
3. <i>Carex sp.</i>	H	—	11.		
4. <i>unk grass</i>	H	—	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

HYDROLOGY

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

Date: 12/20/06
 Community ID: upland
 Plot ID: JC964A-552

SOILS

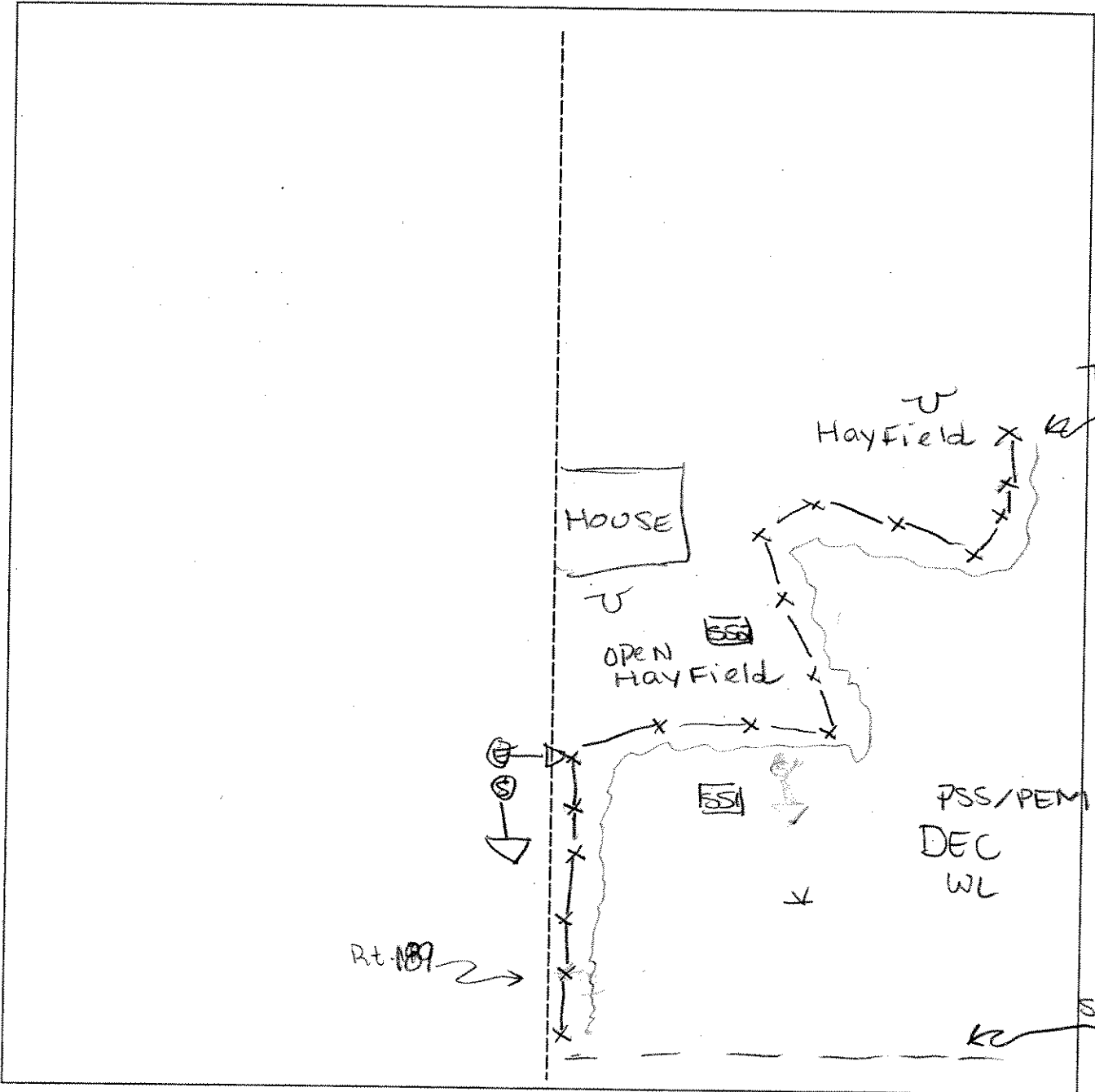
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: 1C364-A	Date: 12/20/00	Time: 0900
Initials of Delineators: BD JV	Location: 1C from Swamp Rd	
Roll #: 1 => S	Frames: Q = E	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: RD JV	Date: 12/30/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PSS/PEM Transect ID: Plot ID: 1C365A-SS1

VEGETATION

Plant Community Classification: PSS/PEM Percent Canopy Cover: Tree: 0 Shrub: 90% Herb: 95% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Willow sp	S	FACW	9. Soft Rush	H	FACW
2. Red twig Dogwood	S	FAC	10.		
3. Gray Birch	S	FAC	11.		
4. Meadow Sweet	S	FAC	12.		
5. Nanny berry	S	FAC	13.		
6. Reed Canary grass	H	FACW	14.		
7. Cat tails	H	OBL	15.		
8. Sensitive Fern	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

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

Date: 12/20/06
 Community ID: pss/pem
 Plot ID: 10365 A-551

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			Silt clay loam
12-19	B ₁	2.5Y 5/1	10YR 4/6	Common / Fine / Dist	Clay w/ sand
		2.5Y 5/2	10YR 4/6	" "	

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks DEC wetland covered w/ 2" snow (non-isolated)

Photo #3 => SE

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD, JV</u>	Date: <u>12/20/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>10365 A-552</u>

VEGETATION

Plant Community Classification: <u>Disturbed early successional</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>5%</u> Herb: <u>95%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Aster sp.</u>	<u>H</u>	<u>-</u>	9.		
2. <u>Solidago sp.</u>	<u>H</u>	<u>-</u>	10.		
3. <u>Red twig dogwood</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Beard canary grass</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>ink grass</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Curl dog</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>2/3 = 75%</u>					
Remarks:					

HYDROLOGY

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

Date: 12/20/06

Community ID:

Plot ID:

1C365A-55a

SOILS

Map Unit Name
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
D-6	A	10YR 3/3			Silt lam 20/grade

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
D-6	A	10YR 3/3			Silt lam 20/grade

Hydro Soil Indicators

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

Remarks: *Disturbed Fill Refusal @ 6"

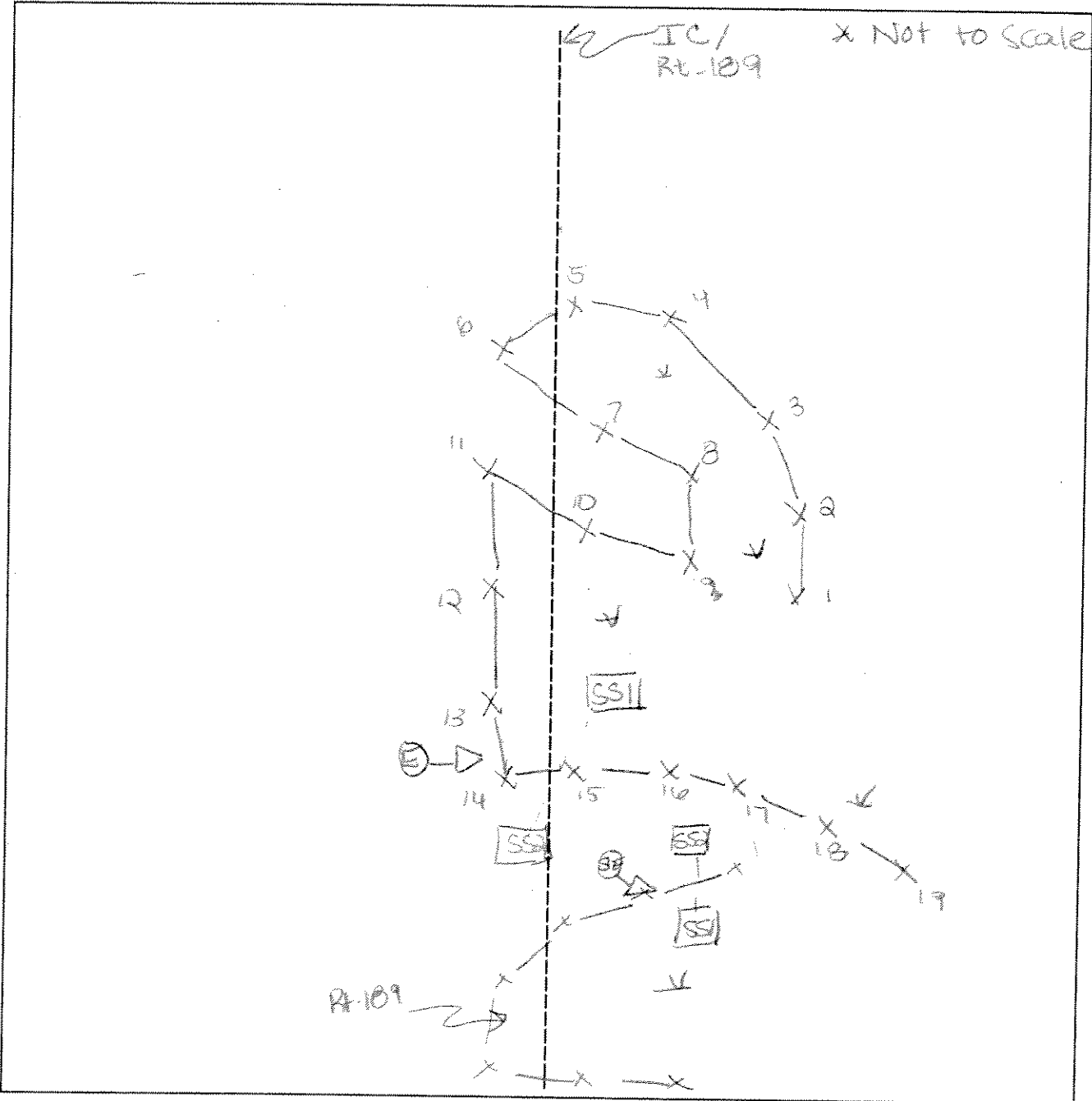
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC 365A, IC 366A	Date: 12/20/06	Time: 1000
Initials of Delineators: RD JV	Location: IC along Rt-109	
Roll #:	Frames: #3 = SE	#4 = E



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RO JV</u>	Date: <u>12/20/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PSS/PEM</u> Transect ID: Plot ID: <u>1C366A SSI</u>

VEGETATION

Plant Community Classification: <u>PSS/PEM</u> Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>95%</u> Herb: <u>80%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Red twig dogwood	S	FAC	9.		
2. Willow	S	FACW	10.		
3. Nanny berry	S	FAC	11.		
4. Golden-rod sp.	H	—	12.		
5. Aster sp.	H	—	13.		
6. Carex sp.	H	—	14.		
7. Juncus effusus	H	FACW	15.		
8. Sensitive Fern	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): Remarks: <u>Observed cattails outside sample station.</u>					

HYDROLOGY

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

Date: 12/20/10
 Community ID: PSS/PEM
 Plot ID: 10300 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.
0-18	A	10YR 2/1			silt loam w/ organics
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric 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 DEC wetland covered w/ 2" snow			
Photo => E			
(NON isolated)			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>12/20/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>10366A SSA</u>

VEGETATION

Plant Community Classification: <u>Early Successional</u> Percent Canopy Cover: Tree: <u>60%</u> Shrub: <u>20%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Trumbling Aspen</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Aster sp</u>	<u>H</u>	<u>—</u>	10.		
3. <u>Birch alleghaniensis</u>	<u>M</u>	<u>FACU</u>	11.		
4. <u>Salidago sp.</u>	<u>M</u>	<u>—</u>	12.		
5. <u>unk-shrub*</u>	<u>S</u>	<u>—</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>0</u> / 1					
Remarks: * <u>Shrub unk due to seasonal conditions</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: <u>None</u> Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>10"</u> Depth to Saturated Soil (in.): <u>12"</u>	
Remarks:	

Date: 12/20/06
 Community ID: Upland
 Plot ID: 10366 A 552

SOILS

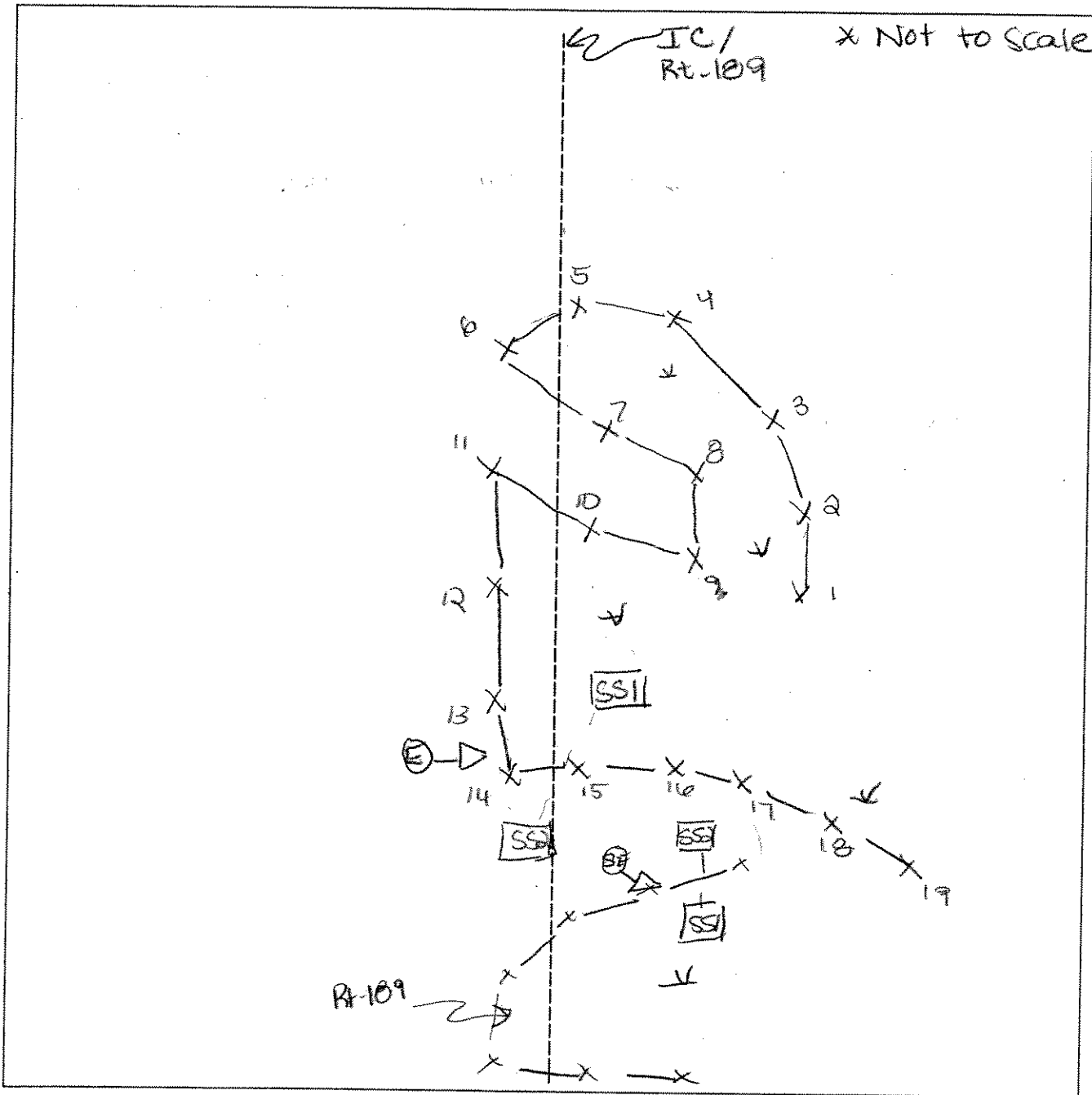
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2			Silt loam
12-100	B	10YR 4/3			Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: IC 365A, IC 366A	Date: 12/20/06	Time: 1000
Initials of Delineators: RD JV	Location: IC along Rt-109	
Roll #:	Frames: #3 = SE	#4 = E



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>12/21/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PETA</u> Transect ID: Plot ID: <u>1C371A#SSI</u>

VEGETATION

Plant Community Classification: <u>Cow pasture</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus effusus</u>	<u>H</u>	<u>FACW</u>	9.		
2. <u>Plantago</u>	<u>H</u>	<u>FACW</u>	10.		
3. <u>Scirpus atrovirens</u>	<u>H</u>	<u>FACW</u>	11.		
4. <u>Urtica arvensis</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>2/3 = > 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: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>NA</u> Depth to Free Standing Water in Pit (in.): <u>5"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks:	

Date: 12/21/06
 Community ID: PERA
 Plot ID: 10371 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.
0-18	A	10YR 3/1			lit 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?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands 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 (Non-isolated)

Photo => N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RD JV</u>	Date: <u>12/21/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>1311 A/BSSA</u>

VEGETATION

Plant Community Classification: <u>Cow pasture</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>Mint</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>B. lup</u>	<u>H</u>	<u>FAC</u>	10.		
3. <u>white clover</u>	<u>H</u>	<u>FACU</u>	11.		
4. <u>unk grass</u>	<u>H</u>	<u>FACU</u>	12.		
5. <u>Dandelion</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>1/4 = 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>None</u> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: <u>None</u> Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 12/21/06
 Community ID: UPL
 Plot ID: K371 ABSSA

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

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

Hydro Soil Indicators

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

Remarks:

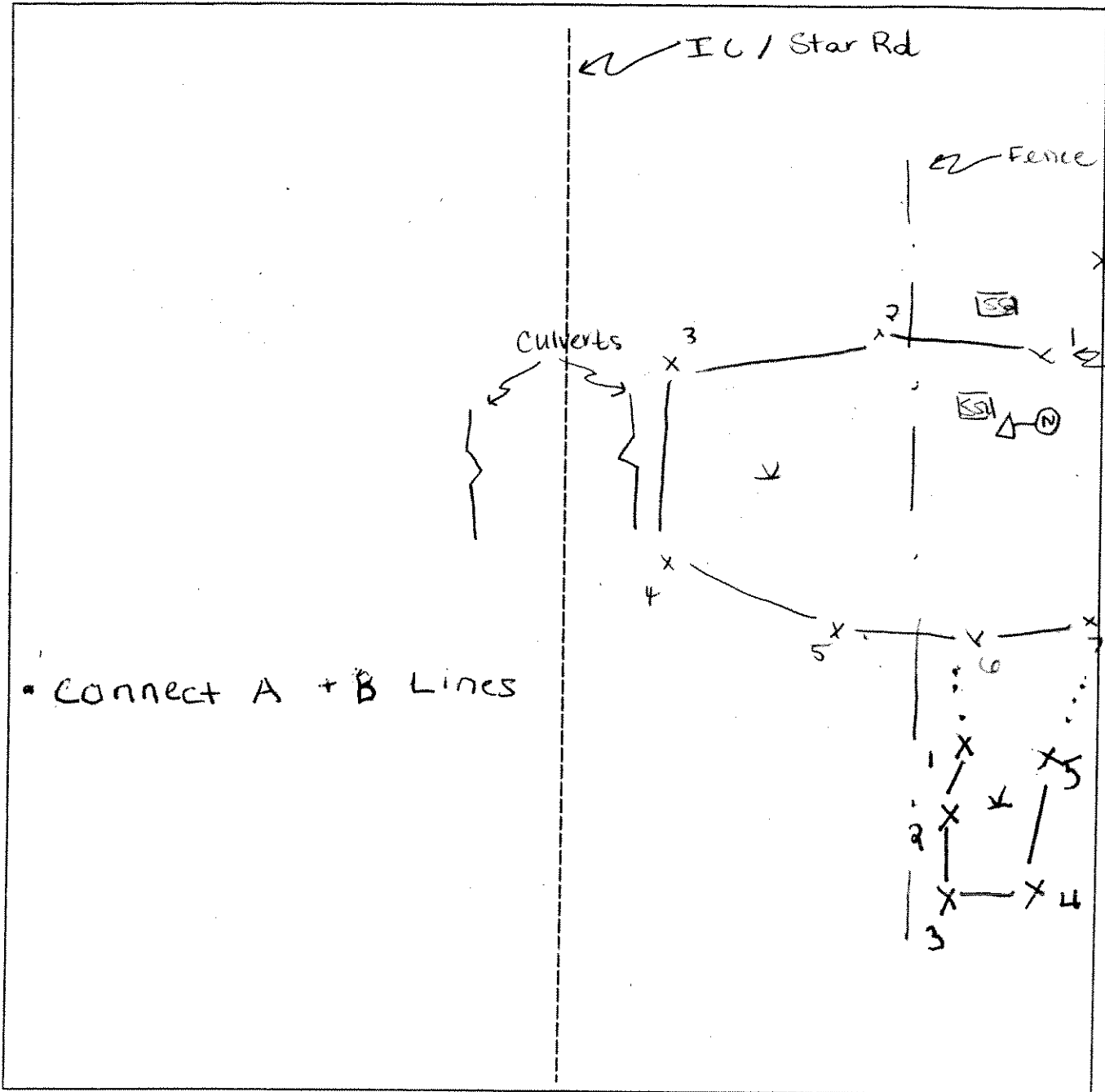
WETLAND DETERMINATION

Hydrophytic Vegetation Present?	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 #: IC371 A/B	Date: 12/21/06	Time: 0800
Initials of Delineators: RO JV	Location: Star Rd IC	
Roll #: (1) => N		



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

All change to IC
 Johan Form book
DATA FORM
ROUTINE WETLAND DETERMINATION
 (1987 ACOE Wetlands Delineation Manual)

IC 535
 861
 Wetland A Gnis

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BR</u>	Date: <u>9/16/06</u> County: <u>Canta</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>IC 535 - A Gnis - 861</u>

VEGETATION

Plant Community Classification: _____

Percent Canopy Cover: Tree: 63.0 Shrub: 0 Herb: 85.6 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>Trees</u>	<u>FAC</u>	9.		
2. <u>Baldwin Elm</u>	<u>Trees</u>	<u>FAC</u>	10.		
3. <u>Sensitive Fern</u>	<u>Herb</u>	<u>FACW</u>	11.		
4. <u>Maryflower</u>	<u>Herb</u>	<u>FAC-</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/4 = 75

Remarks:

HYDROLOGY

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

Date: 5/10/06
 Community ID: P60
 Plot ID:

IC S35 A Gaus

SOILS

Map Unit Name (Series and Phase): N/A Taxonomy (SubGroup): N/A	Drainage Class: PD Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	Ap	10YR 2/1	F8	F8	F8
8-16	Bu	10YR 5/2	10YR 6/6	Few/Med/Dist.	F8L

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

IC 535
SS 2
Upland ~~R~~ *Gms*

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble Rivelle</i> Investigator: <i>BR</i>	Date: <i>5/16/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>PEO</i> Transect ID: Plot ID: <i>IC 535 A - Series 062</i>

VEGETATION

Plant Community Classification: _____
 Percent Canopy Cover: Tree: *85.5* ^{*sup*} Shrub: *20.5* Herb: *10.5* Vine: _____

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACV</i>	9.		
2. <i>Ironwood</i>	<i>Tree</i>	<i>FACV-</i>	10.		
3. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Balsam Fir</i>	<i>Sapling</i>	<i>FAC</i>	12.		
5. <i>Maple Shrub</i>	<i>Herb</i>	<i>FAC-</i>	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): *2/5 = 40*

Remarks:

HYDROLOGY

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

Date: 5/16/06
 Community ID: PFO
 Plot ID:

IL 535-852

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.
0-7	Dp	10YR 3/2	none	none	FSL
7-14	Bw	10YR 7/6	none	none	FSL

Hydro Soil Indicators

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

Upland 552
 ID 5353 UG B2

Project Site: <i>Munkle River</i> Applicant/Owner: <i>Munkle River LLC</i> Investigator: <i>BRZ</i>	Date: <i>5/16/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <i>950</i> Transect ID: Plot ID: <i>IC 5353-552</i>

VEGETATION

B-Sues

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85.5</i> ^{<i>5%</i>} Shrub: <i>38</i> Herb: <i>0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar Maple</i>	<i>Tree</i>	<i>FACV</i>	9.		
2. <i>Black Cherry</i>	<i>Tree</i>	<i>FACV</i>	10.		
3. <i>Balsam Fir</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Betula</i>	<i>Tree</i>	<i>FACV</i>	12.		
5. <i>Black Cherry</i>	<i>Shrub</i>	<i>FACV</i>	13.		
6. <i>Balsam Fir</i>	<i>Shrub</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>2/6 = 33</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <i>None</i> Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>None</i> Depth to Free Standing Water in Pit (in.): <i>> 15"</i> Depth to Saturated Soil (in.): <i>> 15"</i>	
Remarks:	

Upland

Date: 5/16/06
Community ID: PFO
Plot ID:

Id 535 B Series 852

SOILS

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

Drainage Class: MWD

Taxonomy (SubGroup): N/A

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 3/1	None	None	ESL
6-15	Bw ₁	10YR 4/6	None	None	ESL

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Wetland 851
 IC 535 B - DBB

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BL</u>	Date: <u>5/16/06</u> County: <u>Cattaraugus</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>P60</u> Transect ID: Plot ID: <u>IS 85 - Series - 851</u>

VEGETATION

Plant Community Classification: Tree: 63 Shrub: 380 Herb: 85, 6 Vine: 6

Percent Canopy Cover: _____

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red Maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Marsh Marigold</u>	<u>Herb</u>	<u>OBL</u>	10.		
3. <u>Sensitive Fern</u>	<u>Herb</u>	<u>FACW</u>	11.		
4. <u>Decorated Grasses</u>	<u>Herb</u>	<u>FACW</u>	12.		
5. <u>Arise</u>	<u>Shrub</u>	<u>FACW</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 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.): <u>None</u> Depth to Free Standing Water in Pit (in.): <u>Surface</u> Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks:	

well defined Bushy

Wetland

Date: 5/16/06
Community ID: PFO
Plot ID:

IC 535 B Series - 561

SOILS

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

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 3/2	none	none	FSL
6-12	B20	10Y2 5/2	10Y2 6/8	Few/med / Duff	FSL

Hydro Soil Indicators

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

Remarks:

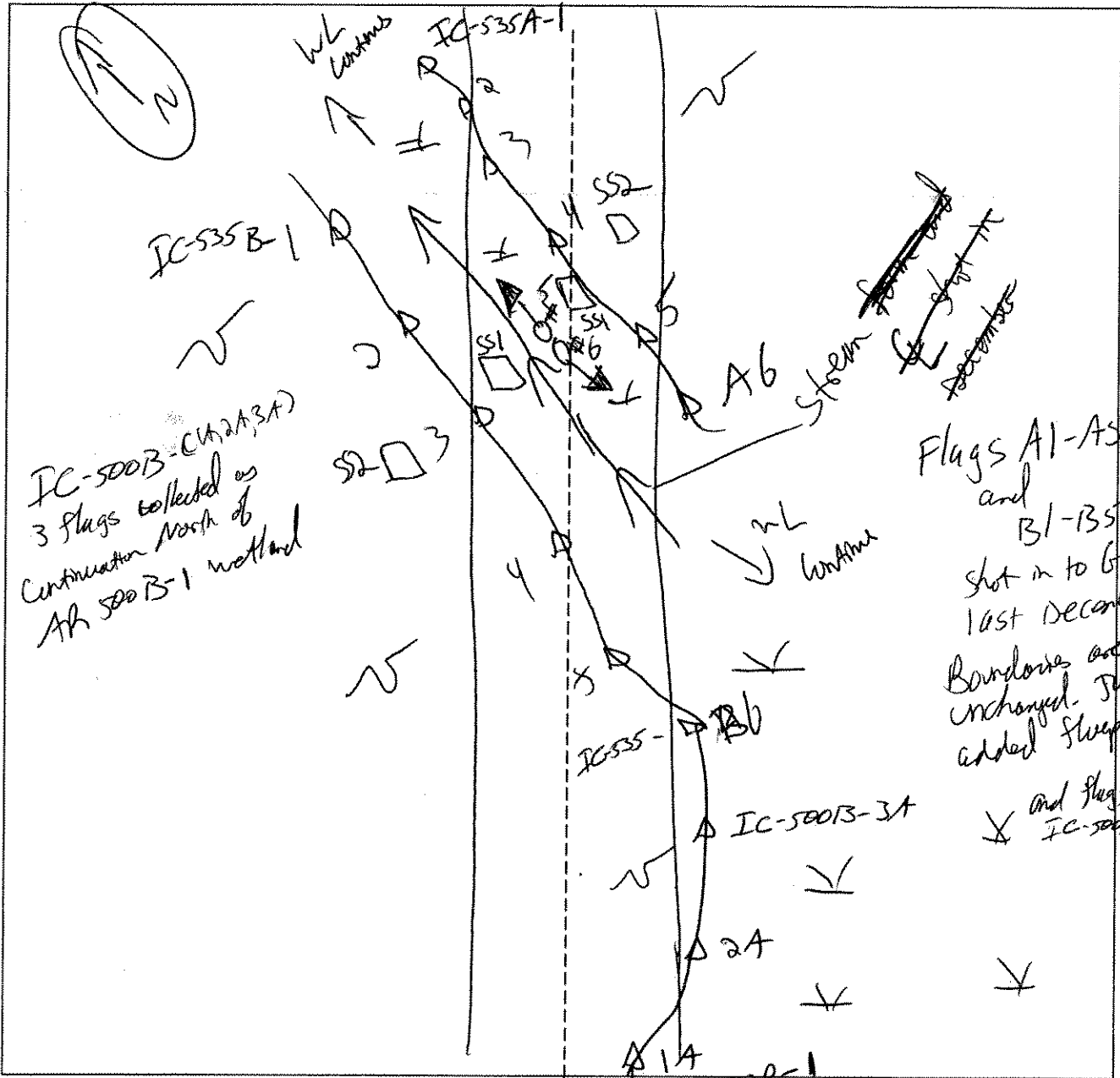
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC-535A/B / IC-500B	Date: 5/16/06	Time:
Initials of Delineators: KIH, BR	Location: IC - North of WTB-148	
Roll #: KIH	Frames: S-N, 6-S	



Legend

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

existing wetland

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

Project Site: <i>Marble River</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BR</i>	Date: <i>5/23/06</i> County: <i>Clinch</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wetland</i> Transect ID: Plot ID: <i>IC-727-A-551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>70</i> Herb: <i>25</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Acer rubrum</i>	T	FAC	9.		
* 2. <i>Populus grandidentata</i>	T	FACU	10.		
* 3. <i>Betula populifolia</i>	T	FAC	11.		
* 4. <i>Viburnum cassinoides</i>	SH	FACW	12.		
* 5. <i>Spina latifolia</i>	SH	FACU	13.		
6. <i>Vaccinium angustifolium</i>	H	FACU	14.		
7. <i>M. canadense</i>	H	FACU	15.		
8. <i>Sphagnum</i>	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

HYDROLOGY

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

Date: 5/27/06
 Community ID: wetland
 Plot ID: IC 727-A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
3-0	O _e	7.5YR 2.5/2			Peat
0-3	A	10YR 2/1	7.5YR 3/4	75%	Sandy loam
3-12+	B _q	2.5Y 5/2	10YR 4/3	75%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: <i>Mable River Wind</i> Applicant/Owner: <i>Mable River LLC</i> Investigator: <i>BCQ</i>	Date: <i>5/2/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>LC 727-A-552</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Arceuthobium</i>	T	FAC	9.		
* 2. <i>Betula Populifolia</i>	T	FAC	10.		
* 3. <i>Abies balsamea</i>	T	FAC	11.		
* 4. <i>Abies balsamea</i>	Sh	FAC	12.		
5. <i>Brodiaea</i>	H	FACU	13.		
6. <i>M. canadense</i>	H	FAC-	14.		
7. <i>Lycopodium obscurum</i>	H	FACU	15.		
8. <i>Vaccinium angustifolium</i>	H	FACU-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

HYDROLOGY *None*

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: v7land
 Plot ID: IC 787-A-552

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10 YR 2/1	None		
3-4	E	10 YR 2/2	None		
4-5	Bhs	7.5 YR 3/0	None		
5-10*	Bw	10 YR 4/4	None		

Hydro Soil Indicators

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

Remarks:

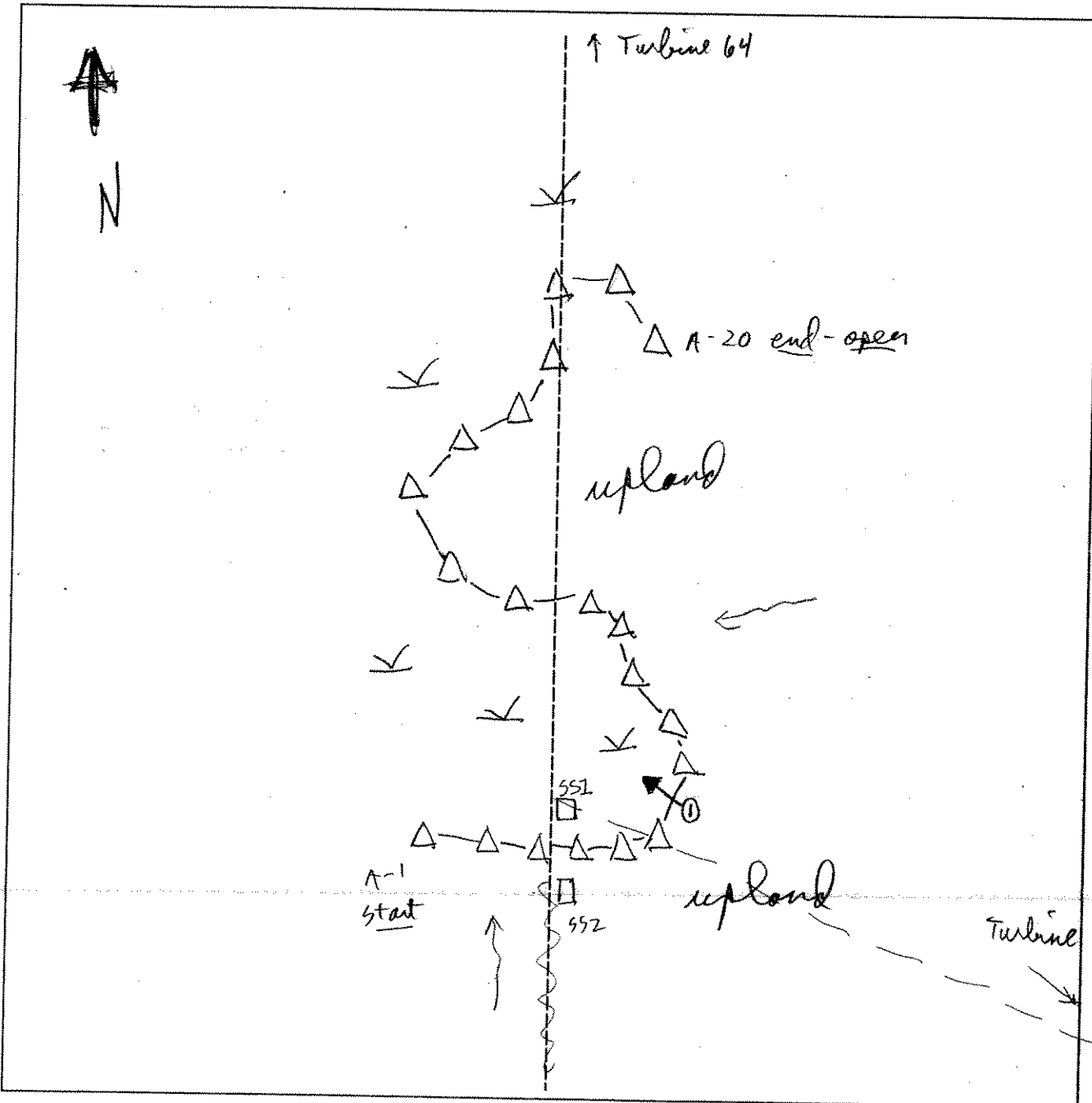
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: <i>IC727A</i>	Date: <i>5/23/06</i>	Time:
Initials of Delineators: <i>BQ-RJ</i>	Location:	
Roll #:	Frames: <i>photo 1 & NW to wetland</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>Middle River Wind</i> Applicant/Owner: <i>Middle River LLC</i> Investigator: <i>BQ</i>	Date: <i>5/23/06</i> County: <i>Clinkens</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 727-B-551</i>

VEGETATION

Plant Community Classification: <i>Spl: 60</i> Percent Canopy Cover: <i>Tree: 60</i> <i>Shrub: 50</i> <i>Herb: 80</i> <i>Vine: 0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
* 1. <i>Betula populifolia</i>	<i>SO</i>	<i>FAC</i>	9.		
* 2. <i>Abies balsamea</i>	<i>SH</i>	<i>FAC</i>	10.		
* 3. <i>Acer rubrum</i>	<i>SH</i>	<i>FAC</i>	11.		
* 4. <i>Viburnum cassinoides</i>	<i>SL</i>	<i>FACW</i>	12.		
* 5. <i>Vaccinium angustifolium</i>	<i>H</i>	<i>FACU</i>	13.		
* 6. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
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.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 5/23/06
 Community ID: wetland
 Plot ID: JC 788-B-991

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	O	10YR 2/1			peat
8-11	Bh	7.5YR 3/3	2.5Y 9/2	0-2 5%	
11-13+	B _w	7.5YR 5/2	2.5Y 8/6	7 5%	

Hydro Soil Indicators

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

Remarks:

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

- DEC wetland
 - edge of large bog / flooded swamp

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCO</i>	Date: <i>5/23/06</i> County: <i>Cincinnati</i> State: <i>OH</i>
Do Normal Circumstances exist on the site? 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 Yes <input type="radio"/> No <input checked="" type="radio"/>
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 177-B-552</i>	

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>80</i> Shrub: <i>< 5%</i> Herb: <i>0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i>	<i>T</i>	<i>FAC</i>	9.		
2. <i>Populus glandulifera</i>	<i>T</i>	<i>FACW</i>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>50%</i>					
Remarks:					

HYDROLOGY *None*

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

Date: 5/23/06
 Community ID: Upland
 Plot ID: IC 787-BSSJ

SOILS

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

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 2/1	none		
4-6	B _{hs}	5YR 4/4	none		
6-12	B _w	7.5YR 4/6	none		

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

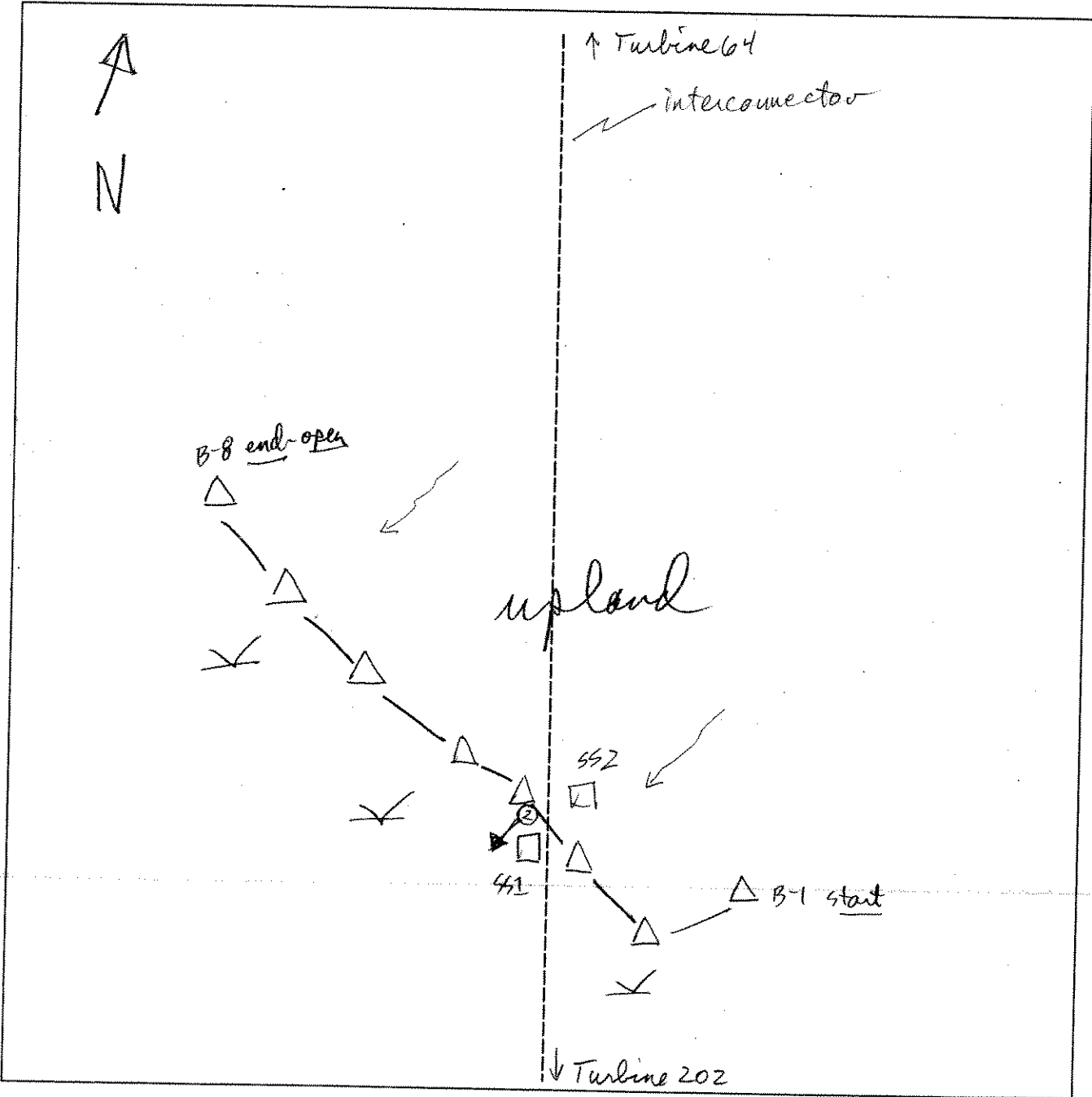
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input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

Remarks

- DEC wetland

SKETCH FORM

Wetland ID/Route #: IC727B	Date: 5/23/06	Time:
Initials of Delineators: BQ-RJ	Location:	
Roll #:	Frames: photo 2 @ SS1 & S to wetland	

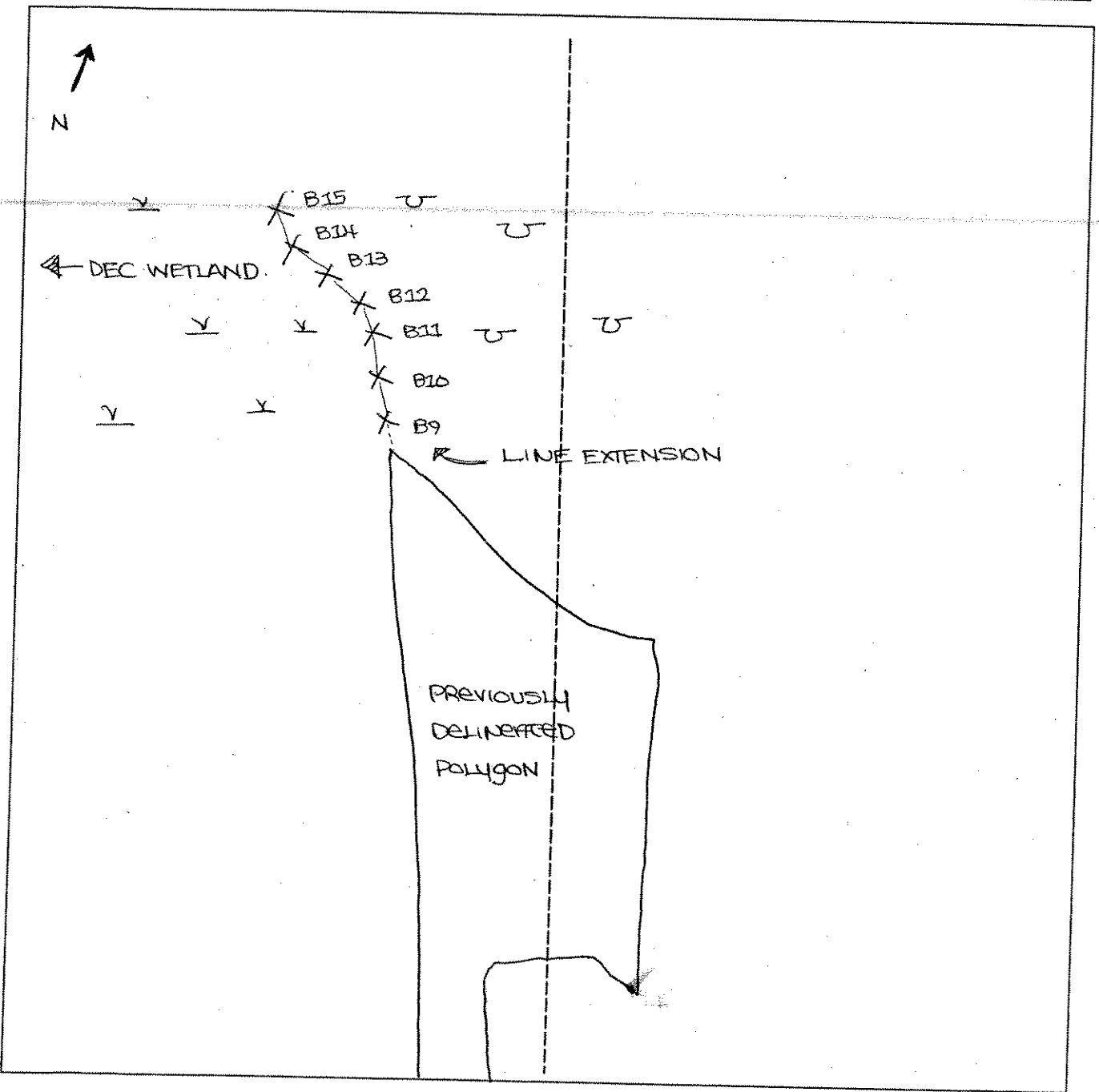


Legend	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

1 Line Extension

SKETCH FORM

Wetland ID/Route #: IC727B	Date: 7/19/06	Time:
Initials of Delineators: BQ / SC	Location: 7/19/06 MARBLE RIVER	
Roll #:	Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BR</i>	Date: <i>7-13-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wet</i> Transect ID: Plot ID: <i>IC 736 - A - 551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Scirpus Atrovirens</i>	<i>H</i>	<i>OBL</i>	<i>9.</i>		
<i>2. Sarcocolla effusa</i>	<i>H</i>	<i>FACW</i>	<i>10.</i>		
<i>3. Glyceria striata</i>	<i>H</i>	<i>OBL</i>	<i>11.</i>		
<i>4. twig rush (Cladium Moriscoides)</i>	<i>H</i>	<i>OBL</i>	<i>12.</i>		
<i>5. tall buttercup</i>	<i>H</i>	<i>FAC+</i>	<i>13.</i>		
<i>6. Galium mollugo</i>	<i>H</i>	<i>NI</i>	<i>14.</i>		
<i>7. Solidago sp.</i>	<i>H</i>	<i>-</i>	<i>15.</i>		
<i>8</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):				<i>100%</i>	
Remarks: <i>Solidago early for I.D.</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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.): <i>10"</i> Depth to Saturated Soil (in.): <i>Surface</i>	
Remarks:	

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

IC 738-A-552

SOILS

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

Profile Description:						
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.	
0-12	A2	2.5Y 2.5/1	10YR 4/4 } 2.5Y 5/1 }	2%	Stony loam	
12-16+	Bw	2.5Y 5/2	10YR 4/6	25%	loamy sand	

Hydro Soil Indicators

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

Remarks:

Evenly stoney

WETLAND DETERMINATION

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

Remarks:

PSC 45 N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7-13-06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: Upland Transect ID: Plot ID: IC 738-A-552							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:					
	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Plantago major</i>	H	FACW	9.		
2. <i>Helianthus discolor</i>	H	CPL	10.		
3. <i>Hordeaceae (A. Minus)</i>	H	FACW	11.		
4. <i>Vetula (V. grisea)</i>	H	FACW	12.		
5. <i>Solidago sp.</i>	H	-	13.		
6. <i>Gallium midlago</i>	H	NI	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 0%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	<div style="text-align: right; font-size: 2em; margin-left: 20px;">None</div>
Remarks:	

Date: 7-13-06
 Community ID: vplowel
 Plot ID:
 FC 738-A-552

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-18	A ₂	10YR 3/2	None		
18-20+	B _w	10YR 4/4	None		

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input 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:

551

552

good topo

- No redox or ox Rhizo in A

- 3

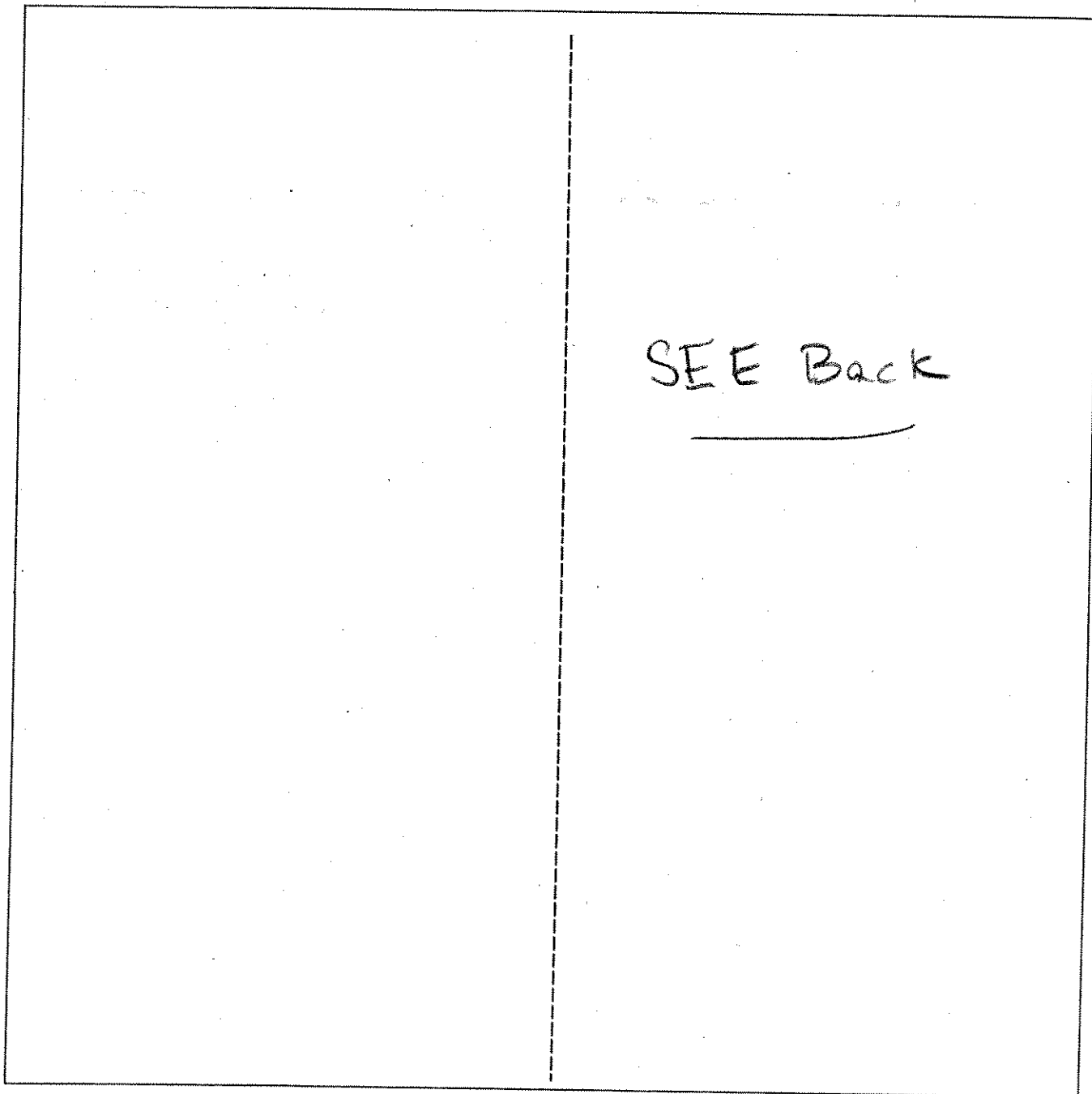
WETLAND DETERMINATION

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

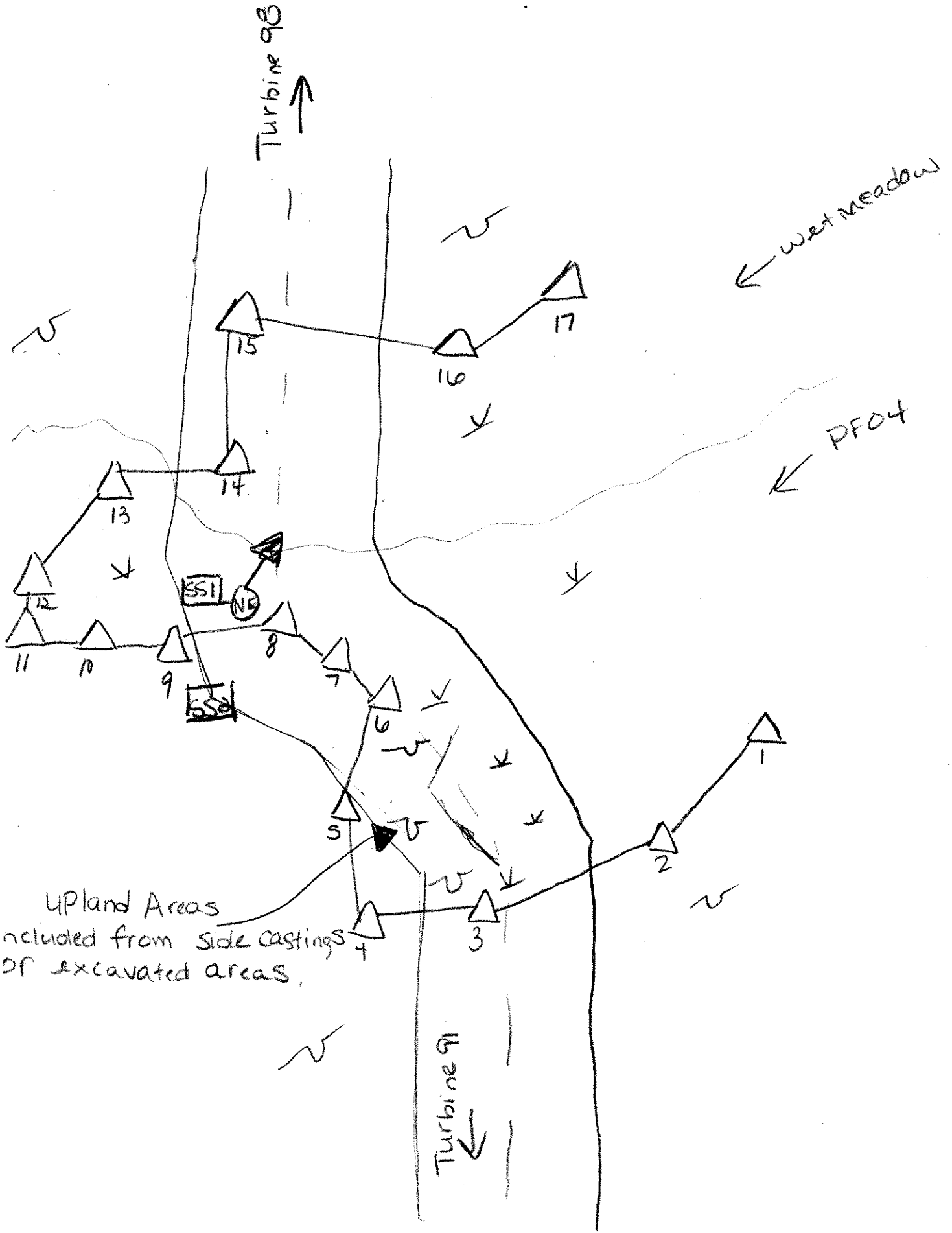
Remarks

SKETCH FORM

Wetland ID/Route #: IC 738A	Date: 7-13-00	Time:
Initials of Delineators: BQ	Location: IC between turbine 91 and turbine 98 of DEC Wetland	
Roll #: Photo facing NE	Frames: NE	



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

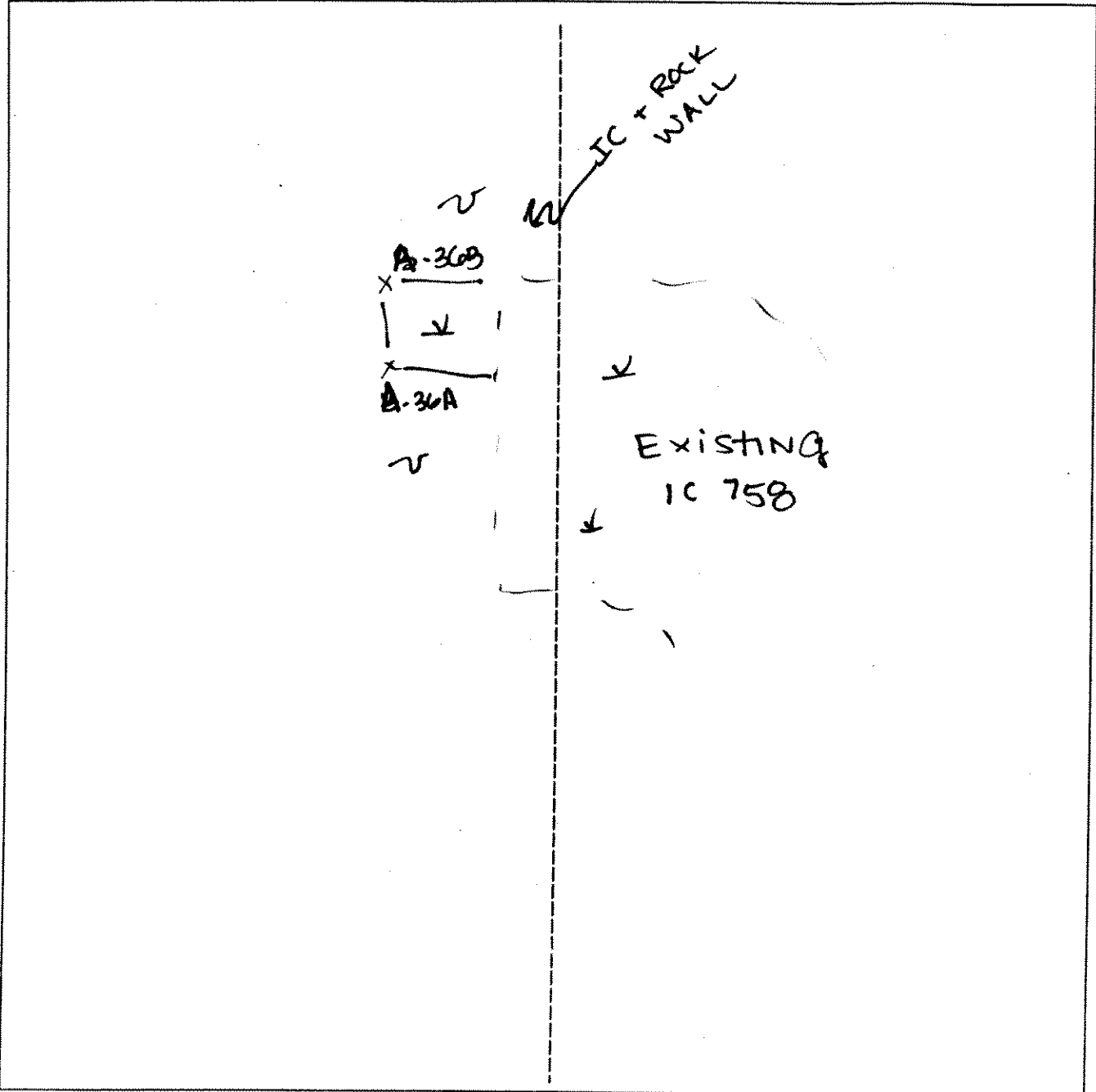


Upland Areas
 included from side castings
 of excavated areas.

IC 758 LINE EXTENSION

SKETCH FORM

Wetland ID/Route #: IC758A	Date: 10/17/06	Time:
Initials of Delineators: JB JV	Location: Rt. 189	
Roll #:	Frames:	



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

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

Project Site: <i>Marble River wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BC</i>	Date: <i>7-19-06</i> County: <i>Clinch</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>wet</i> Transect ID: Plot ID: <i>IC 739-A/B-551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <input checked="" type="radio"/> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Agrostis alba</i>	H	FACW	9.		
2. <i>Carex vulpinoidea</i>	H	OBL	10.		
3. <i>Carex stricta</i>	H	OBL	11.		
4. <i>Sagittaria arifolia</i>	H	OBL	12.		
5. <i>Juncus effusus</i>	H	FACW	13.		
6. <i>Typha latifolia</i>	H	FACW	14.		
7. <i>Typha x glauca</i>	H	FACW	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>86%</i>					
Remarks:					

HYDROLOGY

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

Date: 7-14-06
 Community ID:
 Plot ID:
 IC 739-AB-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-15	AP	2.5Y 2.5/1	2.5YR 3/4	75%	sandy loam
15-18+	B _w	2.5Y 6/5	10YR 5/6	710%	Sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks			
photo 1 → 2			

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCE</i>	Date: <i>7-14-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? 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>IC 739 A/B 552</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>100%</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Timothy</i>	<i>H</i>	<i>FACU-</i>	9.		
2. <i>big leaf burdock (A. minus)</i>	<i>H</i>	<i>FACU-</i>	10.		
3. <i>Thistle (C. discolor)</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>lesser Sticks wood</i>	<i>H</i>	<i>FACU</i>	12.		
5. <i>Plantago major</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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>none</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-14-06
 Community ID: VPKM
 Plot ID:

SOILS

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

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

Hydro Soil Indicators

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

Remarks:

- extremely stony & bouldery cant get below
 - ^{~12"} NO redox or ox blizz in A

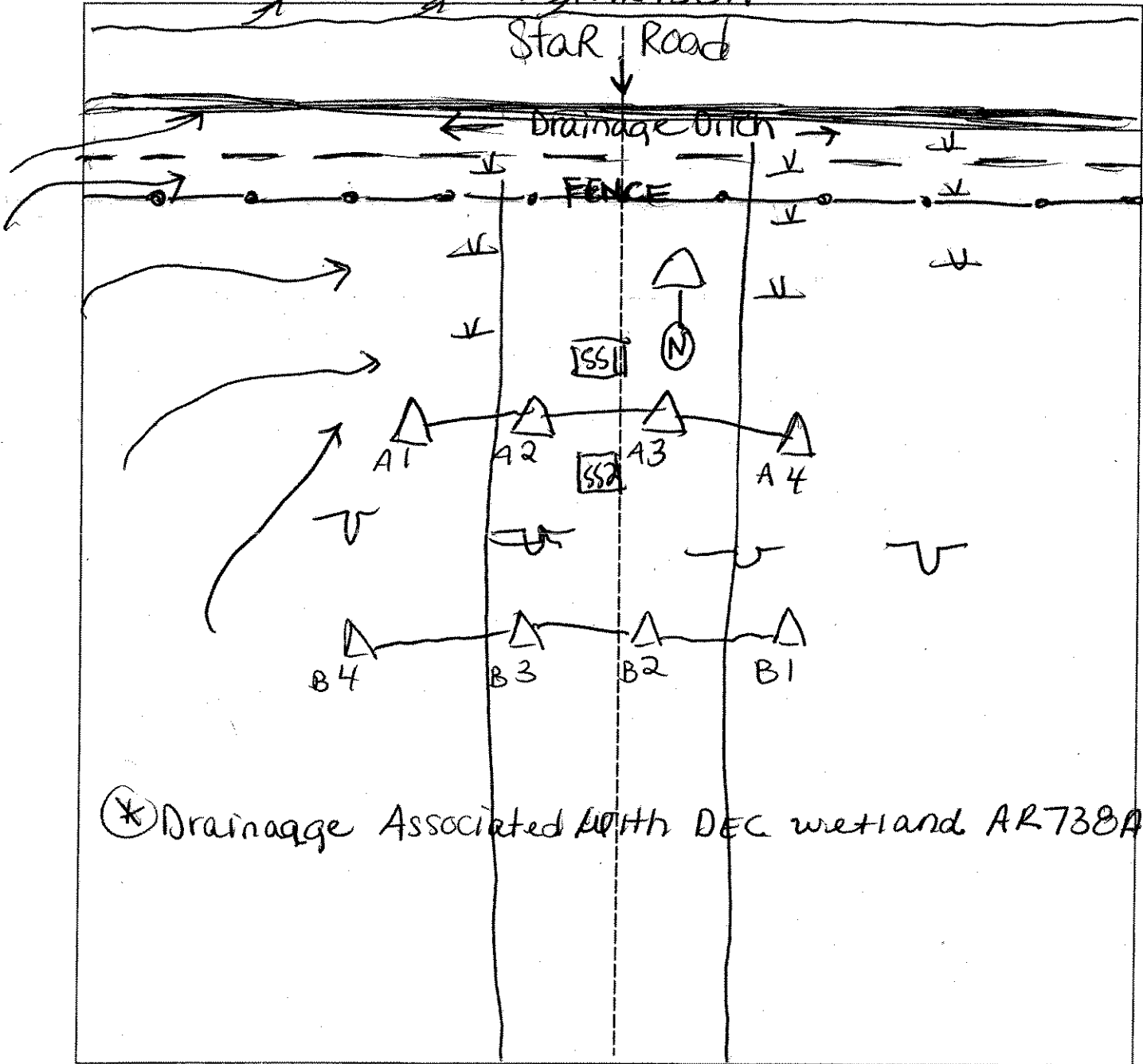
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC 739A/B	Date: 7.14.06	Time:
Initials of Delineators: BQ	Location: IC from Star Rd to turbine 91	
Roll #:	Frames: Photo facing North DEC wetland AR738A	



(*) Drainage Associated with DEC wetland AR738A

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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PASTURE Transect ID: Plot ID: 10739 A-551

VEGETATION

Plant Community Classification: PEM					
Percent Canopy Cover: Tree: 0 Shrub: 0 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Juncus	H	FACW	9.		
2. Scirpus cyperinus	H	FACW+	10.		
3. Grass sp	H	-	11.		
4. Scirpus atrovirens	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

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

Date: 5/3/07
 Community ID: PEM
 Plot ID: 10739 A 881

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1			silty clay
6-12	B	10YR 5/2	10YR 5/9	common/fine/distinct	silty clay

Hydro Soil Indicators

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

Remarks: Ripural e12"

WETLAND DETERMINATION

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

Remarks: photo 7 => NW

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 10739A SSA

EXT

VEGETATION

Plant Community Classification: <u>Roadside</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Trifolium pratense</u>	H	FACU	9.		
2. <u>Taraxacum officinale</u>	H	FACU	10.		
3. <u>Sweet white clover</u>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100</u>					
Remarks:					

HYDROLOGY

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

Date: 5/3/07
 Community ID: UPL
 Plot ID: 1C739 A SSA

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4			Sand loam

Hydro Soil Indicators

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

Remarks: Refusal @ 12"
 Soil is comprised of fill

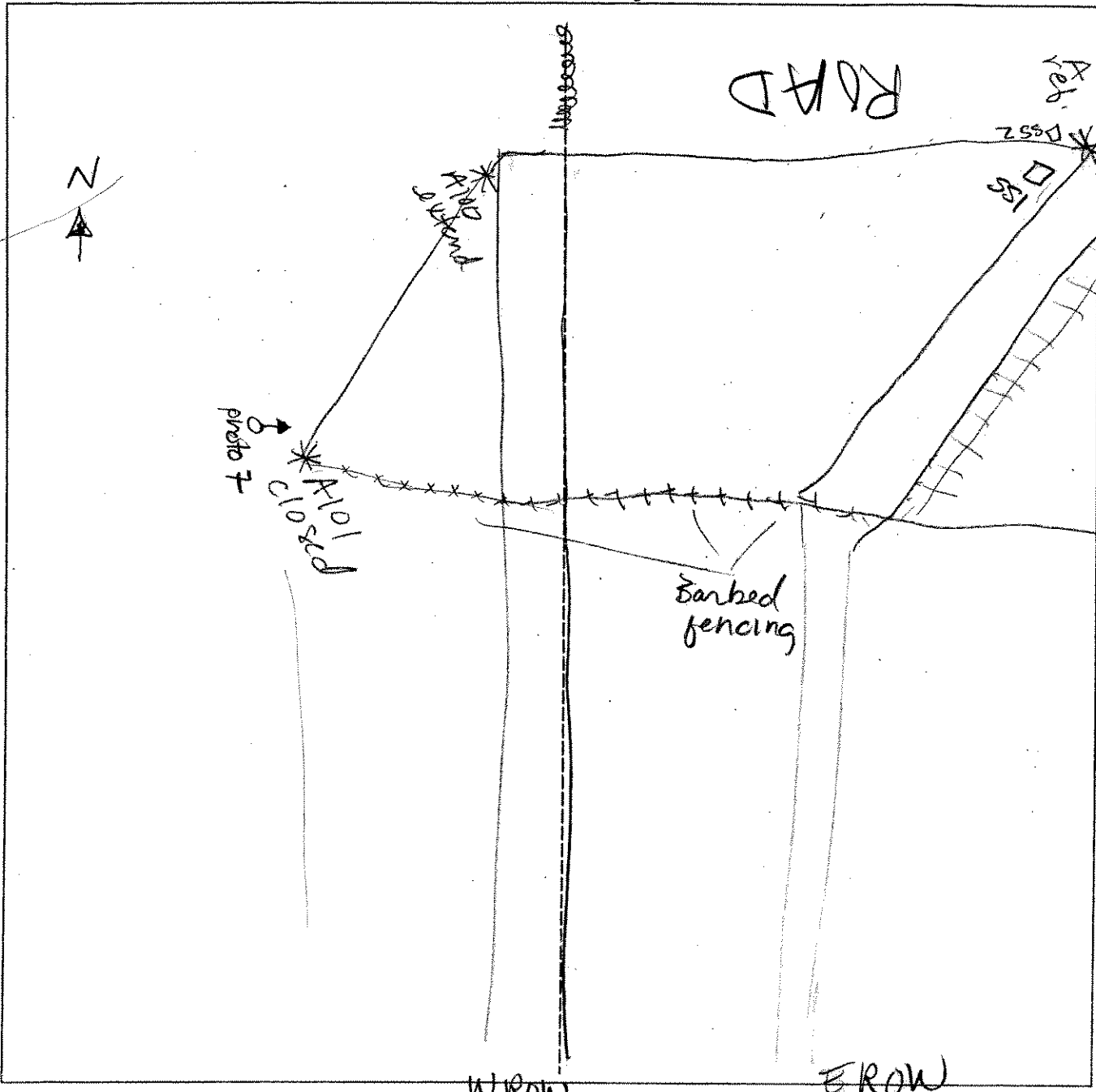
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: 10739 A EXT	Date: 3 May 07	Time:
Initials of Delineators: JV: AP	Location: 10739 A	
Roll #:	Frames: photo 7 behind A101 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: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5.17</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>IC B18A 551</u>

VEGETATION

Plant Community Classification: <u>PSS</u> Percent Canopy Cover: Tree: <u>45%</u> Shrub: <u>50%</u> Herb: <u>90%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Meadow Sweet</u>	<u>S</u>	<u>FACW</u>	9. <u>Serviceberry</u>	<u>S</u>	<u>FAC</u>
2. <u>G. Birch</u>	<u>T/S</u>	<u>FAC</u>	10. <u>Speckled Alder</u>	<u>S</u>	<u>FACW*</u>
3. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Balsam Fir</u>	<u>T/S</u>	<u>FAC</u>	12.		
5. <u>J. diffusus</u>	<u>H</u>	<u>FACW*</u>	13.		
6. <u>ERU setum</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>R. Stem Gold rod</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>*Not Listed; presumed OBL</u>					

HYDROLOGY

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

Date: 5-17-06
 Community ID: Wetland
 Plot ID: IC 818A-SSI

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJO VW</u>	Date: <u>5-17-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>IC818A-552</u>

VEGETATION

Plant Community Classification: <u>Open Woodland</u>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>m. Sweet</u>	<u>S</u>	<u>FACW</u>	9. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>
2. <u>s. bush</u>	<u>S</u>	<u>FACW</u>	10. <u>O. Aspen</u>	<u>T/S</u>	<u>FACU</u>
3. <u>R.S. Q. Rod</u>	<u>H</u>	<u>FAC</u>	11. <u>Mt. Alder</u>	<u>S</u>	<u>FAC</u>
4. <u>Strawberry</u>	<u>H</u>	<u>FACU</u>	12. <u>Trout Lily</u>	<u>H</u>	<u>FAC</u>
5. <u>Mt. Alder</u>	<u>H</u>	<u>FACU</u>	13. <u>Buttercup</u>	<u>H</u>	<u>FAC</u>
6. <u>Bracken Fern</u>	<u>H</u>	<u>FACU</u>	14. <u>Clubmoss</u>	<u>H</u>	<u>FACU</u>
7. <u>Tarrow</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Balsam Fir</u>	<u>T/S</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>53.1.</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5.17.06

Community ID:

Plot ID: Upland

IC 018A - SSA

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR.4/2	-	-	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol		<input type="checkbox"/> Concretions			
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils			
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils			
<input type="checkbox"/> Aquic Moisture Regime		<input type="checkbox"/> Listed on Local Hydric Soils List			
<input type="checkbox"/> Reducing Conditions		<input 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>RSD JV</u>	Date: <u>5-17-06</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>Cedar Swamp Wetland</u> Transect ID: Plot ID: <u>IC818A-SS3</u>

VEGETATION

Plant Community Classification: <u>Cedar Swamp</u>					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>N. White Cedar</u>	<u>T/S</u>	<u>OBL</u>	9. <u>Clearweed</u>	<u>H</u>	<u>FACW*</u>
2. <u>E. Hemlock</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Sphagnum</u>	<u>H</u>	<u>OBL*</u>	12.		
5. <u>Speckled Alder</u>	<u>S</u>	<u>FACW*</u>	13.		
6. <u>Sensitive Fern</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>unk. Herb 1</u>	<u>H</u>	<u>—</u>	15.		
8. <u>Penny</u>			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>60%</u>					
Remarks: <u>* Not listed; presumed OBL.</u>					

HYDROLOGY

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

Date:
 Community ID:
 Plot ID:

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	D	IDYR-211	—	—	ORGANICS w/ trace S, etc
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 9"					

WETLAND DETERMINATION

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

23-7-0
 010111W
 720 431801

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

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: RTD JV	Date: 5-17-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: ICB10A-SS4

VEGETATION

Plant Community Classification: PSS	116-8701				
Percent Canopy Cover:	Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. MT Alder	S	FAC	9. Carex sp	H	-
2. M. Sweet	S	FACW	10. J. effusis	H	FACW+
3. R. Maple	T/S	FAC	11.		
4. Strawberry Willow SP	T	-	12.		
5. Cinn. Fern	H	FACW	13.		
6. R-S e Red	H	FAC	14.		
7. MAN Flower	H	FAC-	15.		
8. Sensitive Fern	H	FACW	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 98.1.					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <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: 9 201107 Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 2" in spots Depth to Free Standing Water in Pit (in.): 1" Depth to Saturated Soil (in.): Ø	
Remarks:	

Date: 5-17-06
 Community ID: Wetland
 Plot ID: IC018A-884

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-17-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC018A-SS5</u>

VEGETATION

Plant Community Classification: <u>Upland Forest</u>					
Percent Canopy Cover: Tree: <u>75%</u> , Shrub: <u>25%</u> , Herb: <u>40%</u> , Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Balsam Fir</u>	<u>T</u>	<u>FAC</u>	9. <u>Trout Lily</u>	<u>H</u>	<u>FAC</u>
2. <u>Grey Birch</u>	<u>T</u>	<u>FAC</u>	10. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>
3. <u>Red Maple</u>	<u>T/S</u>	<u>FAC</u>	11.		
4. <u>Q. Aspen</u>	<u>S</u>	<u>FACU</u>	12.		
5. <u>Mt. Alder</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Red Spruce</u>	<u>T</u>	<u>FACW</u>	14.		
7. <u>May Flower</u>	<u>H</u>	<u>FAC-</u>	15.		
8. <u>Wood Fern</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>70%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 5-17-06
 Community ID: Wpland
 Plot ID: IC810A-SS

SOILS

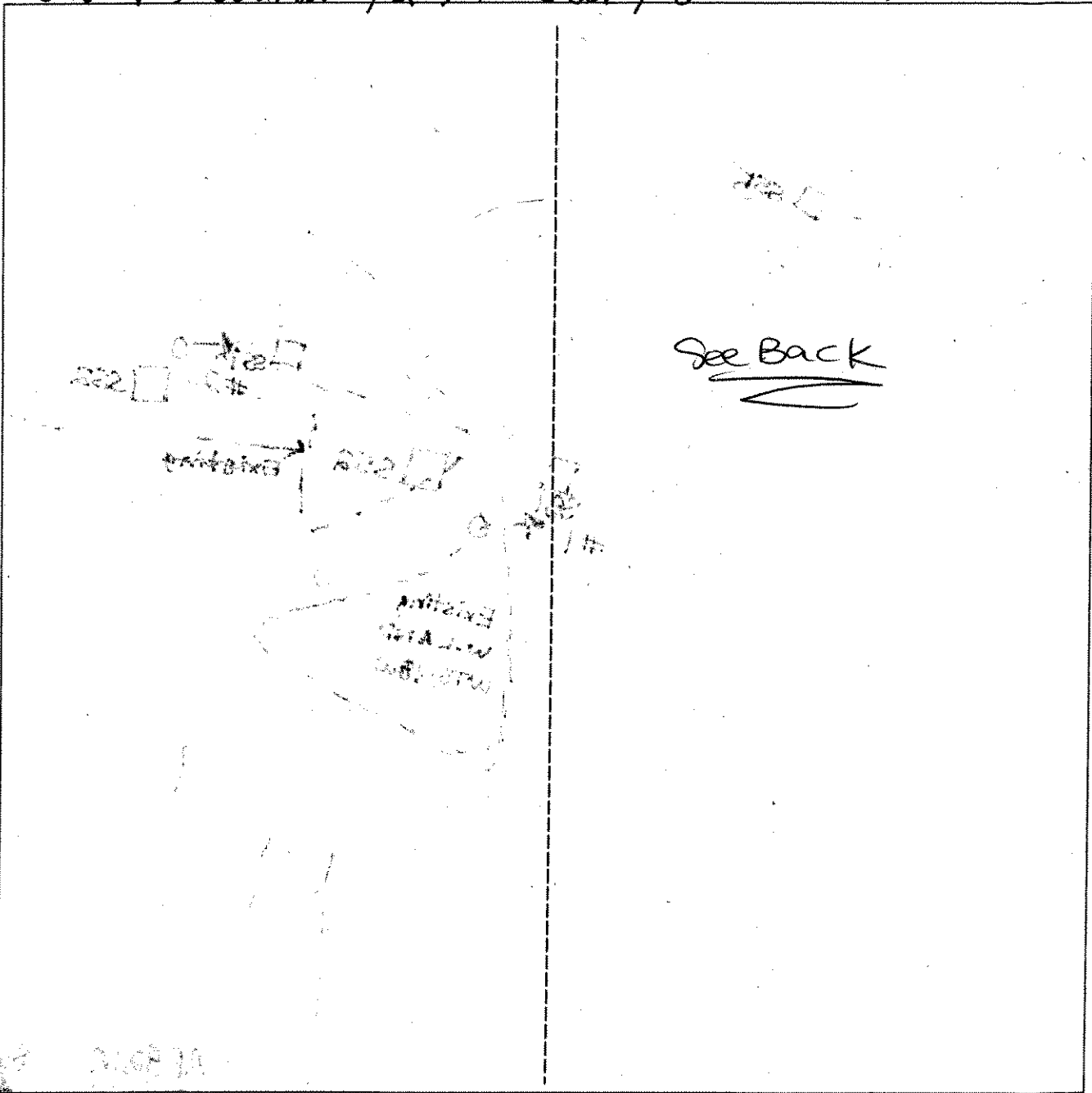
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

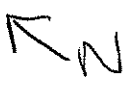
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>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

SKETCH FORM

Wetland ID/Route #: IC 818A, IC 819A/BAR 820A	Date: 5-17-06 + 5/18/06	Time:
Initials of Delineators: RJD JV	Location: IC to turbine 48W	
Roll #: 5-17	Frames: 5 => N at IC 818 SSI 6 => N at Cedar Swamp Boundary	
5-18	1 => SE at SSI, 2 => NW @ SSI, 3 => SSW @ SSI	



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



WTG6

20/01/2018 Cedar Swamp

AR039A

SS3

SSI#5

SS2

#6

SS5

IC818A

PSS

SS4

IC819A

SS2 WTG48W

#1

SS2

Existing

Existing W.LAND WTG48W

14

13

12

11

10

AR020A

Swail Cont.

Access/Rd

SS1

SS1

2

3

4

FENCE

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/4/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-818 B/C/D-SS1

1C818

VEGETATION

Plant Community Classification: PEM/PFOV4 Percent Canopy Cover: Tree: 25 Shrub: 10 Herb: 100 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Abies balsamea</i> f. <i>fraseri</i>	T	FAC/FACW	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Salix bebbiana</i>	S	FACW+	11.		
4. <i>Spiraea tomentosa</i>	H	FACW	12.		
5. Goldenrods - <i>Euthamia</i> <i>graminifolia</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 5/6 > 50%					
Remarks: Representative Plot ; similar to IC-818A <div style="text-align: right; border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">DEC wetland</div> This wetland is connected to IC-818A via culvert					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC & TDPO <input type="checkbox"/> No Recorded Data Available	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.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks: Representative Plot ; Soils similar to IC 818A	

Date: 8/4/06
 Community ID:
 Plot ID: 1C-818 B/C/D-SS1
 1C818

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped 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 checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Representative Plot Black soils to 12" DEC Wetland					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: (*) Active Ag - Cow pasture Photo P8040008 → 1C818 B wetland to N (near flag B6) P8040009 → 1C818 A wetland to S (near flag B6)			

Wetland 1C 818 A, -B, -C/D all are really same feature, they are divided by ag lanes & rock walls.

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/4/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? * <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-818 B/C/D-SS2 1C818

VEGETATION

Plant Community Classification: cow pasture					
Percent Canopy Cover:		Tree:	Shrub:	Herb: 100	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. UNK grass	H	-	9.		
2. Trifolium spp.		FACU	10.		
3. melilotus spp		FACU	11.		
4. cow vetch	↓	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC & TOPO <input type="checkbox"/> No Recorded Data Available	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.): > 12"	
Remarks:	

Date: 8/4/06
 Community ID:
 Plot ID: IC-818 B/C/D-SS2
 1C818

SOILS

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

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

Hydro Soil Indicators

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

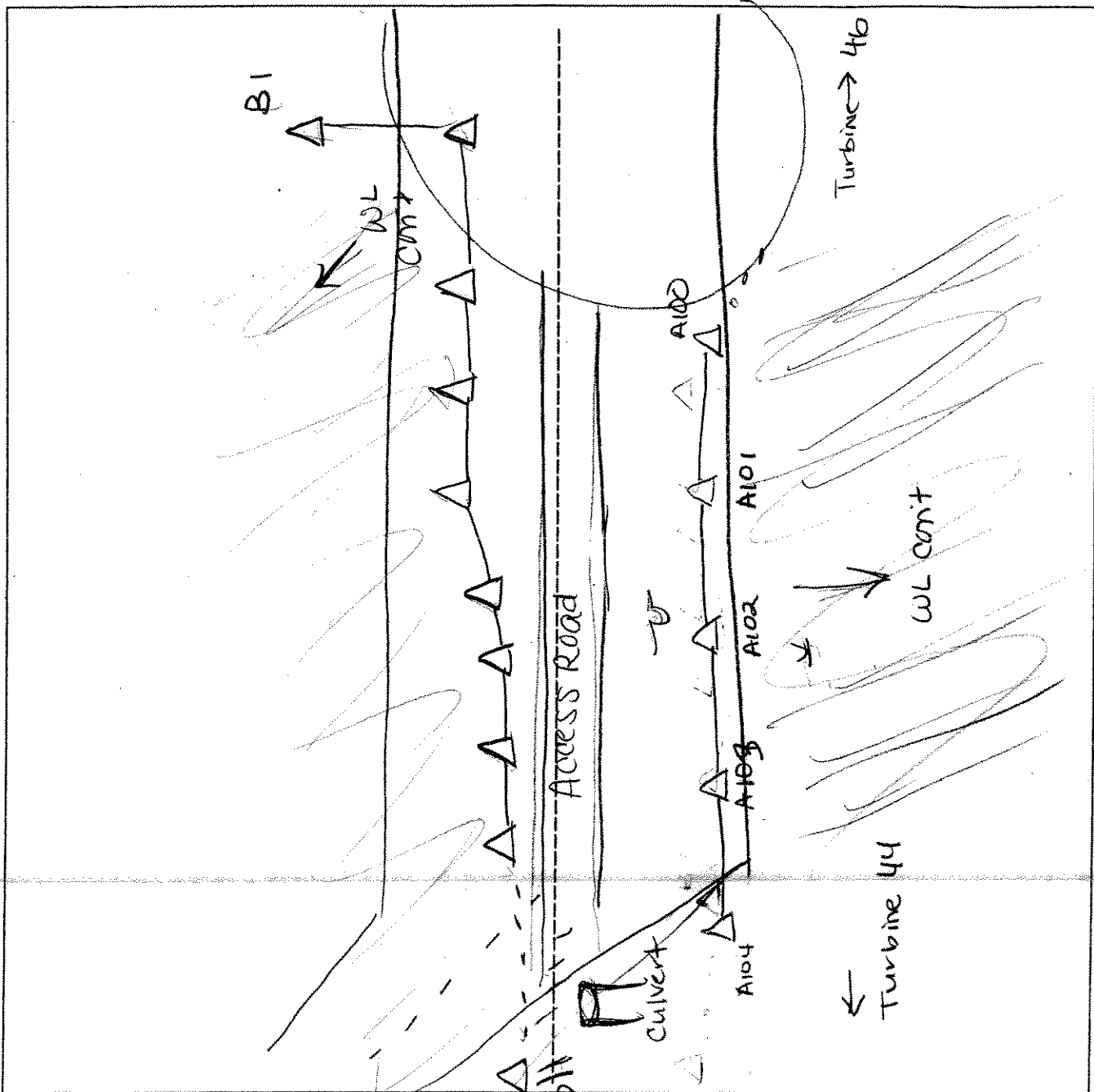
Remarks: Active Ag - Hay field ; low pastures near by

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input 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 type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Remarks [C/D wetland connects w/ B wetland near The Road that divides The 818 A & B wetlands]		
Photo 8040010 - IC-818 C/D wetland to S		
" 8040011 - IC 818 C/D upland to N		

SKETCH FORM

Wetland ID/Route #: IC 810A/B	Date: 8-4-06	Time:
Initials of Delineators: Sm JV	Location: IC 61/AR to turbine 44+46	
Roll #:	Frames:	



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

← N

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River, LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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>IC819A-SS1</u>

VEGETATION

Plant Community Classification: <u>PFD</u> Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>15%</u> Herb: <u>85%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>C. Birch</u>	<u>T/S</u>	<u>FAC</u>	9. <u>R.L. Grod</u>	<u>H</u>	<u>FAC</u>
2. <u>R. maple</u>	<u>T/S</u>	<u>FAC</u>	10. <u>may flower</u>	<u>H</u>	<u>FAC-</u>
3. <u>L.B. Shrub.</u>	<u>S</u>	<u>FACU-</u>	11. <u>Cinn. Fern</u>	<u>H</u>	<u>FACW</u>
4. <u>m. Sweet</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>J. eff.</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Sphag moss</u>	<u>H</u>	<u>OBL*</u>	14.		
7. <u>Club moss</u>	<u>H</u>	<u>FACU</u>	15.		
8. <u>Carex sp</u> <u>xd</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>58%</u>					
Remarks: <u>* Not listed; presumed OBL.</u>					

HYDROLOGY

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

Date: 5-18-06
 Community ID: Wetland
 Plot ID: IC819A

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A ₁	7.5YR 3/4	-	-	Silt loam w/ organics
5-10	A ₂	10YR 2/1	-	-	Silt clay loam
10-14	B	10YR 5/3	-	-	Sandy clay loam
14-18	B	2.5Y - 7/2	50/50		clay
		2.5Y - 7/4	mix		

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

photo #1 IC819-4 => SE of SSI

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-18-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? 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: Plot ID: <u>ICB19A-SS2</u>

VEGETATION

Plant Community Classification: <u>open woodland</u> Percent Canopy Cover: Tree: <u>40%</u> Shrub: <u>50%</u> Herb: <u>05%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>G. Birch</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Canada C. Red</u>	<u>H</u>	<u>FACU</u>
2. <u>M. Sweet</u>	<u>S</u>	<u>FACW</u>	10. <u>Wood Fern</u>	<u>H</u>	<u>FAC</u>
3. <u>Black Fern</u>	<u>H</u>	<u>FACU</u>	11. <u>Clubmoss</u>	<u>H</u>	<u>FACU</u>
4. <u>Manflower</u>	<u>H</u>	<u>FAC-</u>	12. <u>Strawberry</u>	<u>H</u>	<u>UPL</u>
5. <u>BB Blueberry</u>	<u>S</u>	<u>FACU-</u>	13.		
6. <u>R. Maple</u>	<u>T/S/H</u>	<u>FAC</u>	14.		
7. <u>B. Fly</u>	<u>T</u>	<u>FAC</u>	15.		
8. <u>R. S. Wood</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>47%</u>					
Remarks:					

HYDROLOGY

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

Date: 5.18.06
 Community ID: Upland
 Plot ID: IC819A-SS2

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/3			Silt

Hydro Soil Indicators

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

Remarks:
Refusal @ 12"

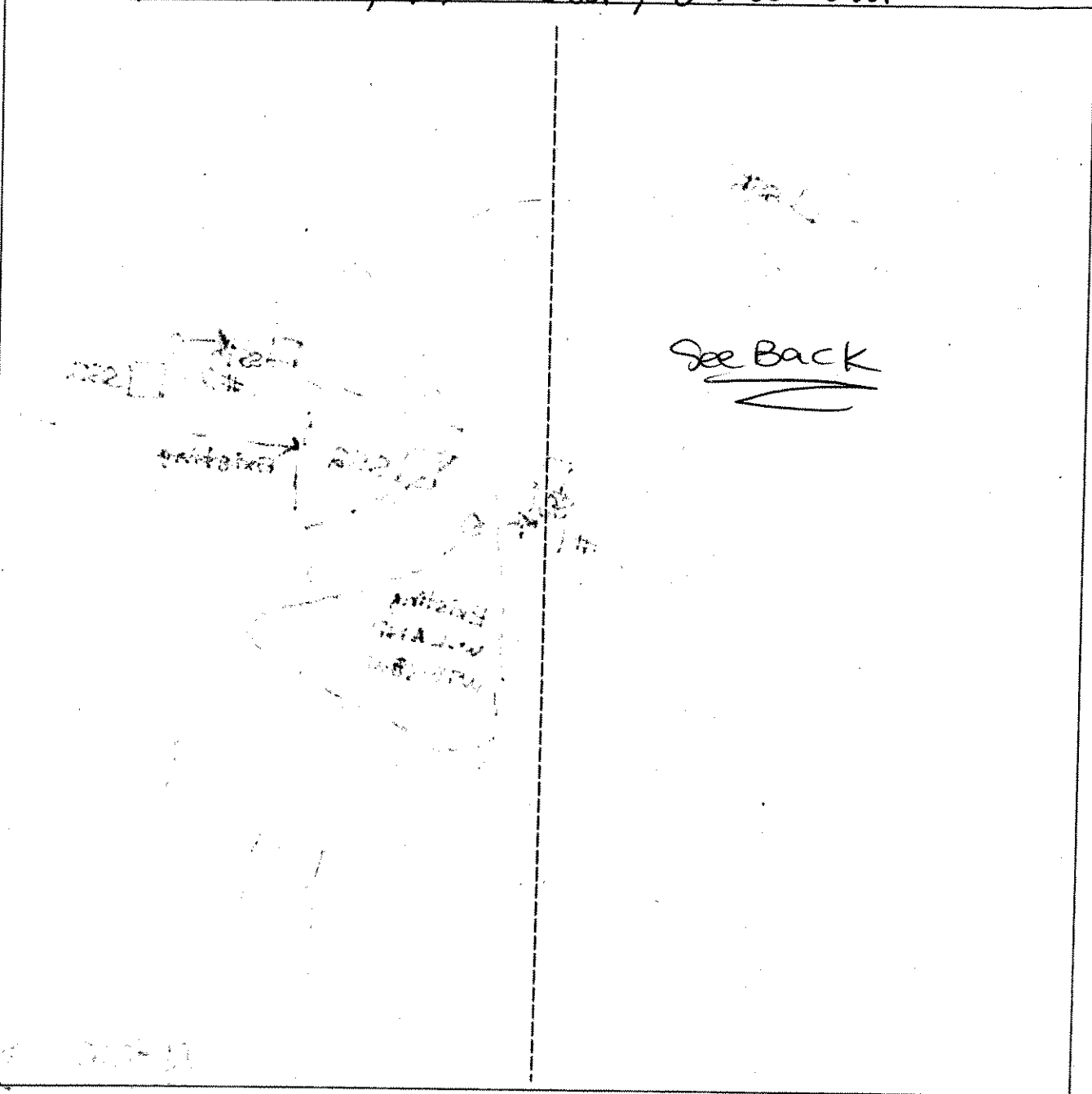
WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/>	
Hydric Soils Present?	Yes	<input checked="" type="radio"/>	

Remarks

SKETCH FORM

Wetland ID/Route #: IC 818A, IC 819A/BAR 820A	Date: 5-17-06 + 5/18/06	Time:
Initials of Delineators: RJD JV	Location: IC to turbine 48W	
Roll #: 5-17	Frames: 5 => N at IC 818 SSI 6 => N at Cedar Swamp Boundary	
5-18	1 => SE at SSI, 2 => NW @ SSI, 3 => SSW @ SSI	



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

N

WTG 6

Cedar Swamp

IC818A

SS3

SSI #5

SS2

#6

SS5

IC818A

PSS

SS4

IC819A

SS1

SS2 WTG 48W

Existing

Existing W-LAND WTG 48W

14
13

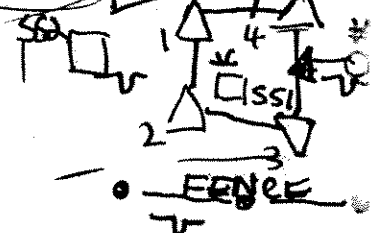
12
11

10

AR820A

Swail Cont.

Access Rd



00-81-2
 kno/ku
 122-A0588A

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

Project Site: Marble River Applicant/Owner: Marble River LLC Investigator: RTO JV	Date: 5-18-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Wetland Transect ID: Plot ID: IC-820A-SS1

VEGETATION

Plant Community Classification: **P5B1 Swall w/ scattered shrub**

Percent Canopy Coverage: **100%** Tree: **0%** Shrub: **0%** Herb: **0%** Vine: **0%**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. J. effusus	H	FACW+	9. Water plant		
2. N.C. G Pad	H	FAC	10.		
3. Polygonum sp	H	-	11.		
4. B. Clp	H	FAC	12.		
5. M. Sweet	S	FACW	13.		
6. S. Bush	S	FACW	14.		
7. Grass sp	H	-	15.		
8. Carex sp	H	-	16.		

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

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 2" Depth to Free Standing Water in Pit (in.): 0 Depth to Saturated Soil (in.): 0	Remarks: 122 to 622 < = 82

Date: 5-18-06
 Community ID: Wetland
 Plot ID: AR82DA-SSI

SOILS

Map Unit Name (Series and Phase): 81-2		Drainage Class: A			
Taxonomy (SubGroup):		Field Observations			
		Confirm Mapped Type? Yes No			
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR-4/1			Silty Clay loam
8-14	B	10YR-5/2-5/3	10YR 2/1	Few/Med/prominent	Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	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			
#3 => SSW at SSI			

40-21-2
6/10/11
822-A068AA

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

Project Site: Marble River	Date: 5-18-06
Applicant/Owner: Marble River LLC	County: Clinton
Investigator: RJD JV	State: NV
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: Npland Transect ID: Plot ID: 14820A-SSA
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION

Plant Community Classification: **Early successional pasture**

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

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Grass SP	H		9.		
2. B-clip	H	FAC	10.		
3. R.S.O. red	H	FAC	11.		
4. Dandelion	H	FACU	12.		
5. CW vetch	H	UPL	13.		
6. White clover	H	FACU	14.		
7. M. sweet	S	FACW	15.		
8.			16.		

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

Remarks:

HYDROLOGY

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

Date: 5-18-06
 Community ID: upland
 Plot ID: AR820A-SS2

SOILS

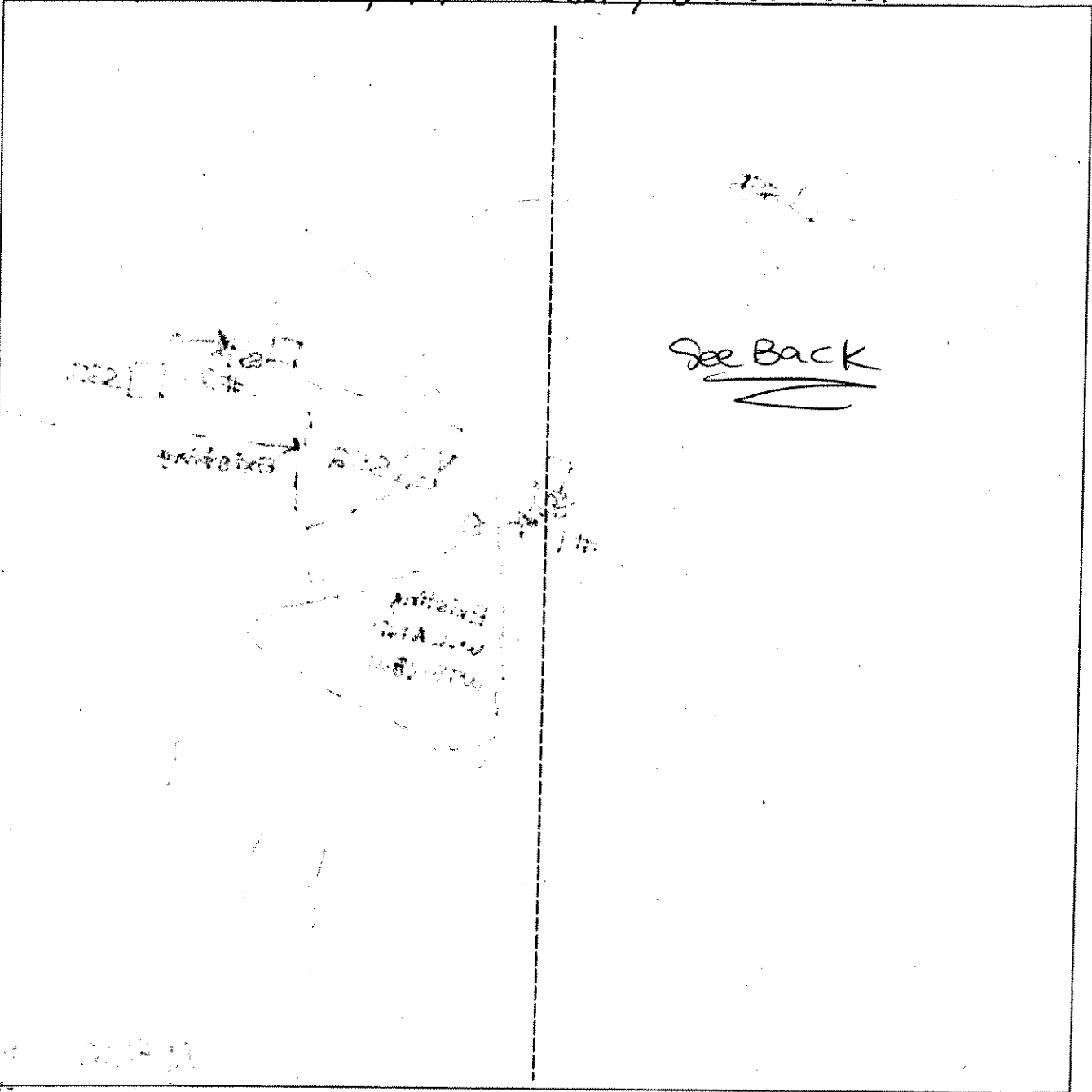
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations:			
		Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR-3/2			Silt loam
9-100	B	7.5YR-4/3			Silt clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

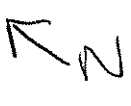
Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	Yes	<input checked="" type="radio"/> No	
Remarks:			

SKETCH FORM

Wetland ID/Route #: IC 818A, IC 819A/B/C + 820A	Date: 5-17-06 + 5/18/06	Time:
Initials of Delineators: RJD JV	Location: IC to turbine 48W	
Roll #: 5-17	Frames: 5 => N at IC 818 SSI 6 => N at Cedar Swamp Boundary	
5-18	1 => SE at SSI, 2 => NW @ SSI, 3 => SSW @ SSI	



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



WTC6

Cedar Swamp

448304

SS3

SSI #5

712
813

#6

IC818A

PSS

SS5

SS4

IC819A

SS1

SS2
WTC48W

Existing

Existing
W-LAND
WTC48W

14
13

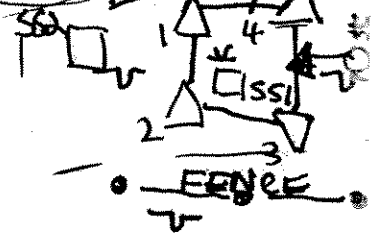
12
11

10
9

AR820A

Swail
Cont.

Access Rd



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

Project Site: <u>Marble River</u>	Date: <u>5-20-00</u>
Applicant/Owner: <u>Marble River LLC</u>	County: <u>Clinton</u>
Investigator: <u>SDJ JV</u>	State: <u>NY</u>
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input type="checkbox"/>	Community ID: <u>Hand</u> Transect ID: Plot ID: <u>IC827A-SS</u>
Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input type="checkbox"/>	
(If needed, explain on reverse.)	

VEGETATION

Plant Community Classification: <u>PFO4</u>	Tree: <u>40%</u>	Shrub: <u>70%</u>	Herb: <u>70%</u>	Vine: <u>0</u>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Fir</u>	<u>T</u>	<u>FAC</u>	9. <u>...</u>	<u>H</u>	<u>FAC</u>
2. <u>B. Spruce</u>	<u>T</u>	<u>FACU-</u>	10. <u>...</u>		
3. <u>R. Maple</u>	<u>T/S</u>	<u>FAC</u>	11. <u>...</u>		
4. <u>UNK Spruce</u>	<u>S</u>	<u>---</u>	12. <u>...</u>		
5. <u>...</u>	<u>H</u>	<u>OBL</u>	13. <u>...</u>		
6. <u>...</u>	<u>H</u>	<u>---</u>	14. <u>...</u>		
7. <u>...</u>	<u>H</u>	<u>---</u>	15. <u>...</u>		
8. <u>...</u>	<u>H</u>	<u>---</u>	16. <u>...</u>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>+ Not listed, presumed OBL</u>					

HYDROLOGY

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

Date: 5.10.20
 Community ID: Wetland
 Plot ID:

IC827A-SS

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10 10-90	D A	7.5YR 4/3 10YR 2/1	— —	— —	peat silt loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: Refusal 0.8"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks EC Wetland photo # 6 => E			

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RJD JV</u>	Date: <u>5-20-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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>IC827A-SSA</u>

VEGETATION

Plant Community Classification: <u>Upland Forest</u>					
Percent Canopy Cover: Tree: <u>75%</u> Shrub: <u>40%</u> Herb: <u>20%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	9.		
2. <u>R. Maple</u>	<u>T/H</u>	<u>FAC</u>	10.		
3. <u>D. Birch</u>	<u>F</u>	<u>FACU</u>	11.		
4. <u>Vine Shrub</u>	<u>F</u>	<u>-</u>	12.		
5. <u>Maitlower</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>LB Blueberry</u>	<u>H</u>	<u>FACU-</u>	14.		
7. <u>Woodfern</u>	<u>H</u>	<u>FACF</u>	15.		
8. <u>LIV sp</u>	<u>H</u>	<u>-</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>71%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: 5-20-06
 Community ID: upland
 Plot ID: ICB27A-SS2

SOILS

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

Profile Description:		Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
Depth (Inches)	Horizon				
0-12	A	10YR-2/1			organics
12-12	B	7.5YR-9/3			lean

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

Remarks:
 Refusal @ 12"

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>RTO JV</u>	Date: <u>5-30-06</u> County: <u>Clinton</u> State: <u>NH</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>Jc8a7b-551</u>

VEGETATION

Plant Community Classification: PFO4
 Percent Canopy Cover: Tree: 60% Shrub: 65% Herb: 40% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>B. Maple</u>	<u>T/S</u>	<u>FAC</u>	9. <u>Bir Spruce</u>	<u>T</u>	<u>FACU</u>
2. <u>B. Fir</u>	<u>T/S</u>	<u>FAC</u>	10.		
3. <u>O. Birch</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Hepaticum sp</u>	<u>H</u>	<u>-</u>	12.		
5. <u>Moss</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Interrupted Fern</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Shrub Moss</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>Moss sp.</u>	<u>H</u>	<u>-</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 70%

Remarks:
* Not listed; presumed OBL

HYDROLOGY

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

Date: 5.20.06
 Community ID: Wetland
 Plot ID: JCB27B-551

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 3/3			Organics
2-6	A ₁	10YR 5/2			Sandy clay
6-10	A ₂	10YR 4/1	Mix		
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: <div style="text-align: center; font-size: 1.2em;">Refrusal @ 10"</div>					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Hydric Soils Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Remarks: <div style="text-align: center; font-size: 1.2em;">Photo 7 => N/E</div> <div style="text-align: center; font-size: 1.2em;">DEC wetland</div>			

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

Project Site: <u>Marble River</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>PTD JV</u>	Date: <u>5-20-06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC827B-552</u>

VEGETATION

Plant Community Classification: Comptrolis / Deciduous

Percent Canopy Cover: Tree: 5% Shrub: 15% Herb: 70% Vine: 0%

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Asplenium</u>	<u>T</u>	<u>FAC</u>	9. <u>pteris</u>	<u>F</u>	<u>FAC</u>
2. <u>B. FIC</u>	<u>T</u>	<u>FAC</u>	10. <u>spatium</u>	<u>F</u>	<u>FACU</u>
3. <u>B. FIC</u>	<u>T</u>	<u>FAC</u>	11. <u>plantain</u>	<u>F</u>	<u>FACU</u>
4. <u>B. FIC</u>	<u>T</u>	<u>FACU</u>	12.		
5. <u>B. BIRCH</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>MOSS</u>	<u>F</u>	<u>FAC-</u>	14.		
7. <u>MOSS</u>	<u>F</u>	<u>FACU</u>	15.		
8. <u>Blueberry</u>	<u>F</u>	<u>FACU</u>	16.		

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

Remarks:

HYDROLOGY

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

Date: 5-20-06
 Community ID: upland
 Plot ID: JCB27B-552

SOILS

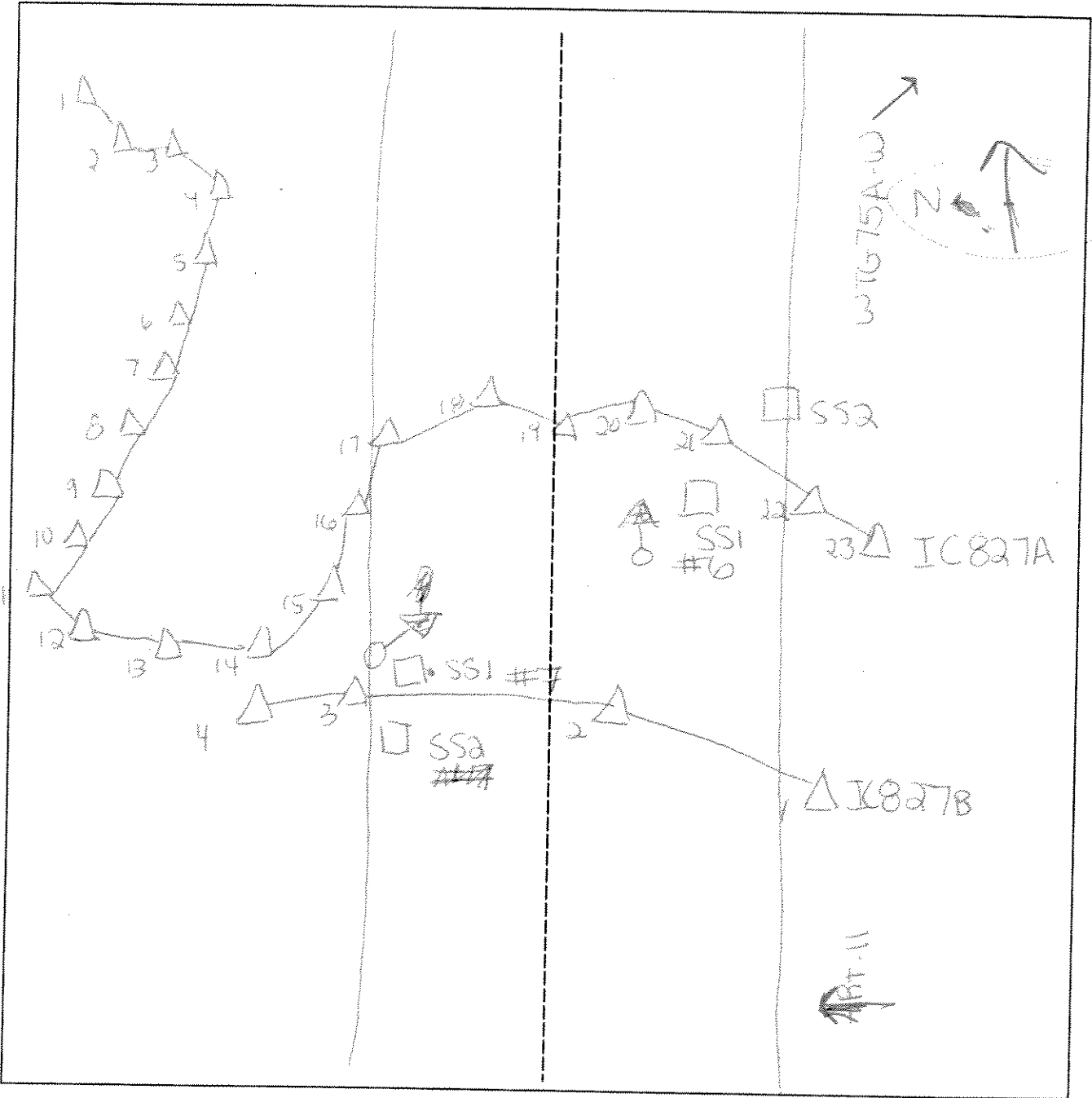
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	O	5YR-2.5/2			
3-10	A	10YR-7/1			irregular silty loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 6"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input 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 #: IC827A/B	Date: 5 20 00	Time:
Initials of Delineators: RSD JV	Location: Interconnect between WTG75A-W and Rt-11	
Roll #: 6-7 C P SSI	Frames: 7->NE P SSI	

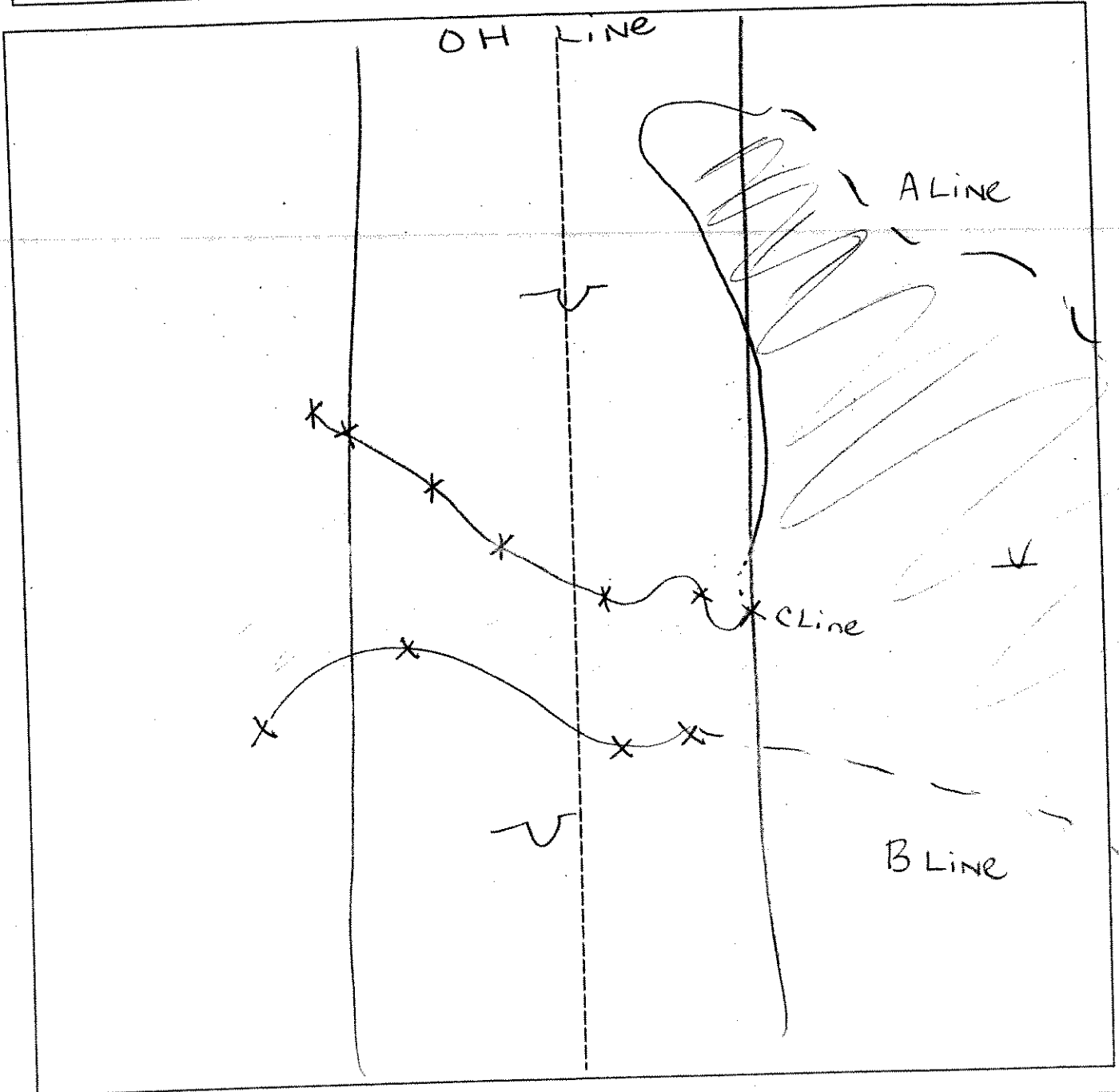


<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Line extension

SKETCH FORM

Wetland ID/Route #: IC827A/B/C	Date: 8-23-00	Time:
Initials of Delineators: PF, AL	Location: OH North from Rt-11	
Roll #:	Frames:	



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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: May 6, 07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO/PEM Transect ID: Plot ID: K827ABC SSI

VEGETATION

Plant Community Classification: Red maple mesic
 Percent Canopy Cover: Tree: 00 Shrub: <5 Herb: 60 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acon rubrum	T	FAC	9.		
2. A. subrum	S	FAC	10.		
3. Cinnamon Fern	H		11.		
4. A. sp. moss 50%	H	OBL	12.		
5. Sphagnum AP	H		13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: Betula populifolia observed along WL edges

HYDROLOGY

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

Date: 6 May 07
 Community ID: 1C827 ABC 551
 Plot ID: 3100

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/3			organics
2-10	A	10YR 2/2	10YR 3/4	few, faint	silt loam
10-14	B	2.5Y 4/3	7.5YR 4/6	few, faint	sandy loam

Hydro Soil Indicators

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

Remarks: B horizon very sandy w/ organic streaks : few mottles

WETLAND DETERMINATION

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

Remarks DEC wetland
 photo 3 = N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/6/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 16827 ABC SSA

EXT

VEGETATION

Plant Community Classification: <i>Deciduous/Coniferous mix</i>					
Percent Canopy Cover: Tree: 75 Shrub: 40 Herb: 85 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus grandidentata</i>	T	FACU	9.		
2.			10.		
3. <i>Abies balsamea</i>	S	FAC	11.		
4. <i>Fagus grandifolia</i>	S	FACU	12.		
5. <i>Viburnum lentago</i>	S	FAC	13.		
6. <i>Erythronium americanum</i>	H	FAC	14.		
7. <i>Mitchella repens</i>	H	FACU	15.		
8. <i>Solidago sp</i>	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Cannot id due to time of year.</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: 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: 5/6/07
 Community ID:
 Plot ID: IC027ABC SSA

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	10YR 2/1			organic
3-6	A	10YR 3/1			silt loam
6-10	B	10YR 3/2			silt loam
10-12	C	10YR 3/4			loam

Hydro Soil Indicators

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

Remarks: no mottling observed

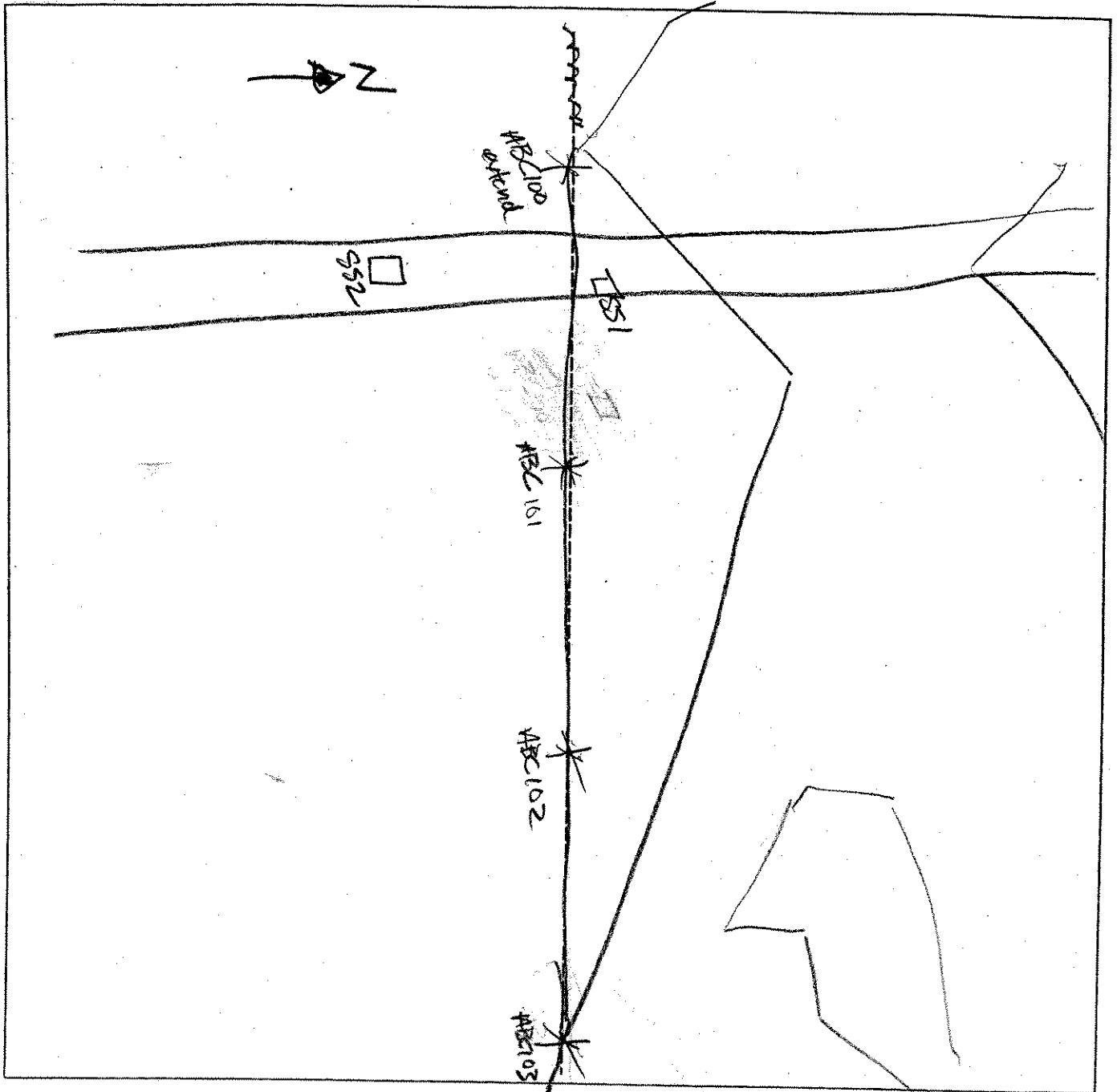
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: 10027 ABC EXT	Date: 5/6/07	Time:
Initials of Delineators: JV AP	Location: OH E of Rt-11	
Roll #: Frames: #3 = N		



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

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

Wetland
 D.G. IC 319A-13

Project Site: <u>Mantle River</u> Applicant/Owner: <u>Mantle River LLC</u> Investigator: <u>BZ</u>	Date: <u>5/20/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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>PFD</u> Transect ID: Plot ID: <u>319A-551</u>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <u>38.0</u> Shrub: <u>20.5</u> Herb: <u>20.5</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>Tree</u>	<u>FAC</u>	9.		
2. <u>Balsam Fir</u>	<u>Tree</u>	<u>FAC</u>	10.		
3. <u>Blk. Cherry</u>	<u>Tree</u>	<u>FACU</u>	11.		
4. <u>Gray Birch</u>	<u>Tree</u>	<u>FAC</u>	12.		
5. <u>Raspber.</u>	<u>Shrub</u>	<u>FACU</u>	13.		
6. <u>Mug Flowers</u>	<u>Herb</u>	<u>FAC-</u>	14.		
7. <u>Suisunuc Fern</u>	<u>Herb</u>	<u>FACW</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/7</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <u>Wetland</u> Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>none</u> Depth to Free Standing Water in Pit (in.): <u>surface</u> Depth to Saturated Soil (in.): <u>Surface</u>	
Remarks: <u>Pockets of standing H₂O adjacent plot.</u>	

wetland

Date: 5/20/06
Community ID: 376
Plot ID:

IC 019-A 881

SOILS

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

Drainage Class: PD

Taxonomy (SubGroup): N/B

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	Ap	10YR2/1	none	none	FSL
6-16+	Bw1	10YR2/1	10YR6/B	Few/med/ D/A	FSL

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<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

rain event > 3 inch prior 5/20/06 wetland ID and Data Collection,
Rain event may exaggerate hydrologic indicators

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

upland
V.G IC 919A-13

Project Site: <i>Mud Lake River</i> Applicant/Owner: <i>Mud Lake River LLC</i> Investigator: <i>GR</i>	Date: <i>5/20/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input type="radio"/> <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PE0</i> Transect ID: Plot ID: <i>5C919-A-552</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>63.0</i> Shrub: <i>10.5</i> Herb: <i>38.0</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>BIL Cherry</i>	<i>Tree</i>	<i>FACV</i>	9.		
2. <i>Baldwin Fir</i>	<i>Tree</i>	<i>FAC</i>	10.		
3. <i>Red Maple</i>	<i>Tree</i>	<i>FAC</i>	11.		
4. <i>Tree Club Moss</i>	<i>Herb</i>	<i>FACV</i>	12.		
5. <i>mayflower</i>	<i>Herb</i>	<i>FAC-</i>	13.		
6. <i>Broadleaf Fern</i>	<i>Herb</i>	<i>FACV</i>	14.		
7. <i>Honeylocust</i>	<i>Shrub</i>	<i>FACV-</i>	15.		
8. <i>Baldwin Fir</i>	<i>Shrub</i>	<i>FAC</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>3/8</i>					
Remarks:					

HYDROLOGY

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

Wetland

Date: 5/20/06
Community ID: FFO
Plot ID:

D.G. IC919A3

SOILS

Map Unit Name (Series and Phase): <i>n/a</i>	Drainage Class: <i>mwd</i>
Taxonomy (SubGroup): <i>n/a</i>	Field Observations Confirm Mapped Type? Yes No

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	<i>Bp</i>	<i>10YR 2/1</i>	<i>none</i>	<i>none</i>	<i>ESL</i>
6-14	<i>Bw</i>	<i>10YR 3/6</i>	<i>none</i>	<i>none</i>	<i>ESL</i>

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

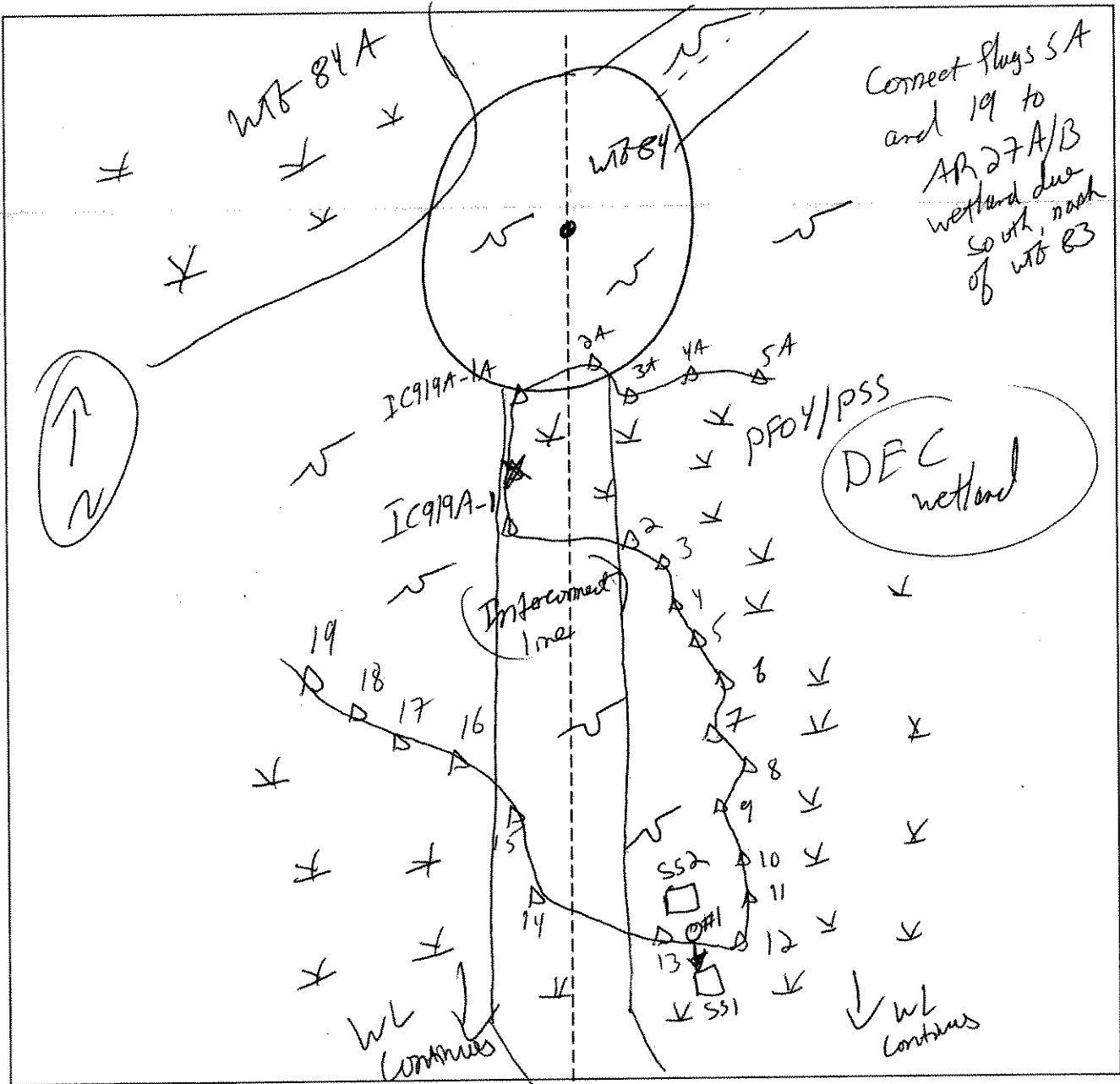
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sample Station Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetlands Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>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

Remarks

Rain event > 1 inch prior 5/20/06 wetland ID and data collection.

SKETCH FORM

Wetland ID/Route #: IC919A	Date: 5/20/06	Time:
Initials of Delineators: BHB BDB	Location: WB 84	
Roll #: BHB	Frames: 1-South	



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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: PFD 11/4 Transect ID: Plot ID: 10919 A SSI							

VEGETATION

Plant Community Classification: Cedar Swamp					
Percent Canopy Cover: Tree: 80 Shrub: 60 Herb: 99 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Thuja occidentalis</i>	T	FACW	9. Sphagnum moss > 50%	H	OBL
2. <i>Thuja balsamifera</i>	T	FAC			
3. <i>Botula alleghaniensis</i>	T	FAC			
4. <i>Alnus incana</i>	T	FACW			
5. <i>A. rugosa</i>	S	FACW			
6. <i>A. balsamifera</i>	S	FAC			
7. <i>Carex palustris</i>	H	OBL			
8. <i>Utricularia densifolia</i>	H	FACW			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

<p>___ Recorded Data (Describe in Remarks):</p> <p>___ Stream, Lake, or Tide Gauge</p> <p>___ Aerial Photographs</p> <p>___ Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>___ Inundated</p> <p><input checked="" type="checkbox"/> Saturated</p> <p>___ Water Marks</p> <p>___ Drift lines</p> <p>___ Sediment Deposits</p> <p>___ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>___ Oxidized Root Channels in Upper 12 inches</p> <p>___ Water-Stained Leaves</p> <p>___ Local Soil survey Data</p> <p>___ FAC-Neutral Test</p> <p>___ Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water (in.): NA</p> <p>Depth to Free Standing Water in Pit (in.): 0"</p> <p>Depth to Saturated Soil (in.): 9"</p>	
<p>Remarks:</p>	

Date: 5/7/07
 Community ID: PFO1/4
 Plot ID: 1C919 A SS1A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/2			silt
2-16	A	10YR 2/1			silt loam
16-18	B	2.5Y 5/3			

Hydro Soil Indicators

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

Remarks: water @ 8"

WETLAND DETERMINATION

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

Is this Sample Station Point Within a Wetland? Yes No

Remarks DEC WL
 photo 4 = N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPL Transect ID: Plot ID: 10919 A 552

EXT

VEGETATION

Plant Community Classification: <i>Mixed Deciduous</i>					
Percent Canopy Cover: Tree: 90 Shrub: 10 Herb: 20 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer Rubrum</i>	T	FAC	9.		
2. <i>Abies balsamea</i>	T	FAC	10.		
3. <i>Prunus cerasifera</i>	T	FACU	11.		
4. <i>Populus grandidentata</i>	T	FACU	12.		
5. <i>Abies balsamea</i>	S	FAC	13.		
6. <i>Viburnum lantanoides</i>	S	FAC	14.		
7. <i>Erythronium americanum</i>	H	FAC	15.		
8. <i>Lycopodium obscurum</i>	H	FACU	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): >50%					
Remarks:					

HYDROLOGY

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

Date: 5/7/07
 Community ID: UPL
 Plot ID: 10919 A SSA

SOILS

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

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

Hydro Soil Indicators

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

Remarks: organic streaking in A, soil dry only slightly moist in A

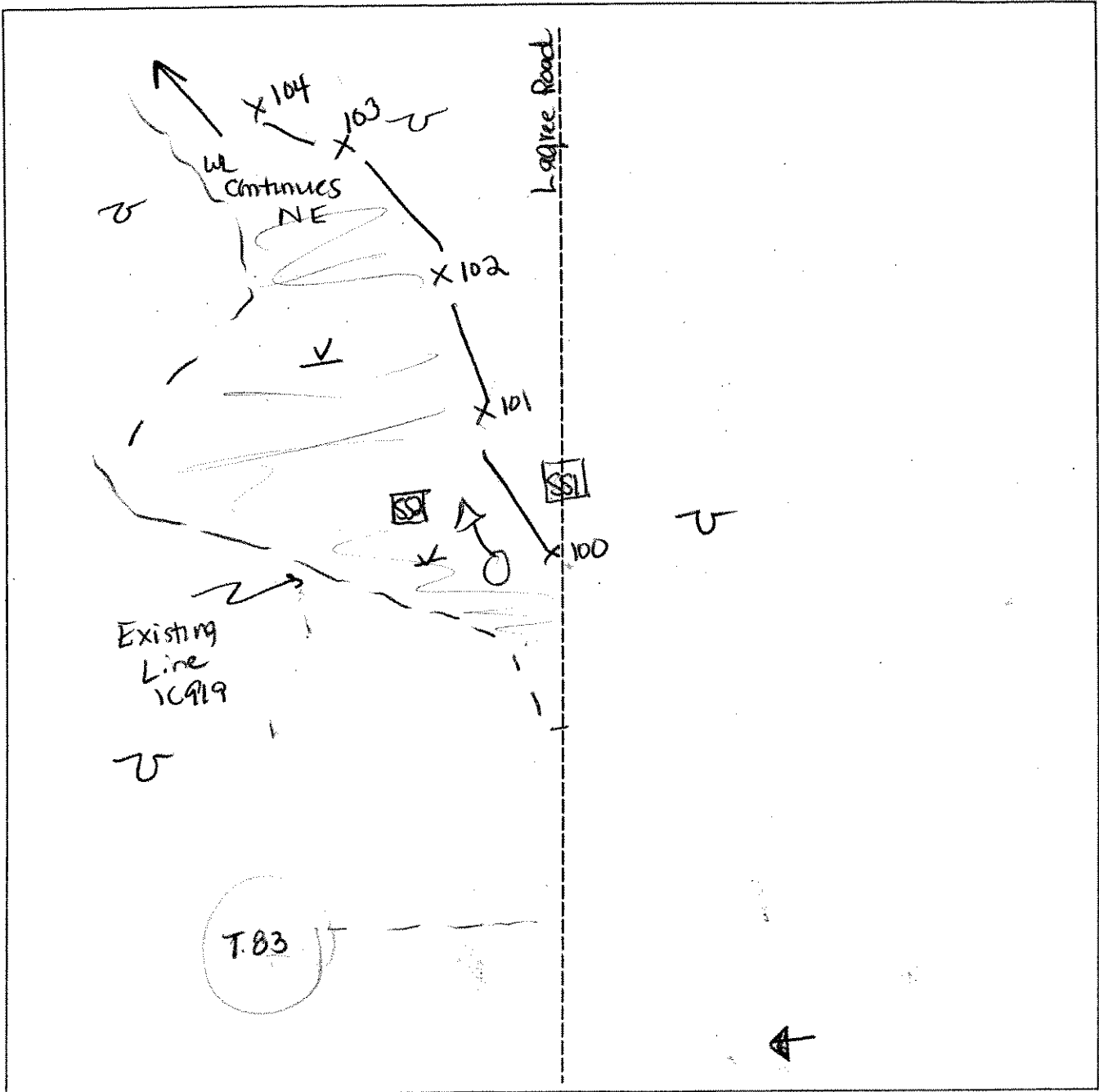
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: 10919 A EXT	Date: 5/7/07	Time:
Initials of Delineators: JV AP	Location: E OF T. 83	
Roll #: Frames: 4 = NE		



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH	Date: 7-28 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PEM Transect ID: Plot ID: IC 903 ABSSI

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: 0 Shrub: 10 Herb: 100 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Onoclea sensibilis	H	FACW	9.		
2. Carex sp.	H	-	10.		
3. Spirea latifolia	H	FAC+	11.		
4. Scirpus cyperinus	H	FACW+	12.		
5. Polygonum lapathifolium	H		13.		
6. Salix sericea	H	OBL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100					
Remarks:					

HYDROLOGY

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

Date: 7-28-06
 Community ID:
 Plot ID: IC963AB551

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 8/1	—	—	Silt loam w/ roots
6-12	B	10YR 4/2	10YR 4/4	many/medium/dist.	fine sandy loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Prevalent e 12"					

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: KH JV	Date: 7-28-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Upland Transect ID: Plot ID: IC96 3A/B SSA

VEGETATION

Plant Community Classification: <u>Woodside</u>					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>0</u> Herb: <u>100</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Ranunculus acris	H	FAC+	9.		
2. R. repens	H	FAC	10.		
3. Grass sp	H		11.		
4. Fragaria virginiana	H	FAC11	12.		
5. Vicia cracca	H	UPL*	13.		
6. Galium mollugo	H	UPL*	14.		
7. Achillea millefolium	H	FACU	15.		
8. Tritolium dubium	H	UPL*	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: ANI - assume UPL					

HYDROLOGY NONE

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: 7-28-06
 Community ID: Upland
 Plot ID: I963A/B SS2

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	25Y 3/3	—	—	Sandy Silt
8-12	B	10YR 3/3	—	—	Sandy Silt

Hydro Soil Indicators

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

Remarks:

Refusal @ 12"

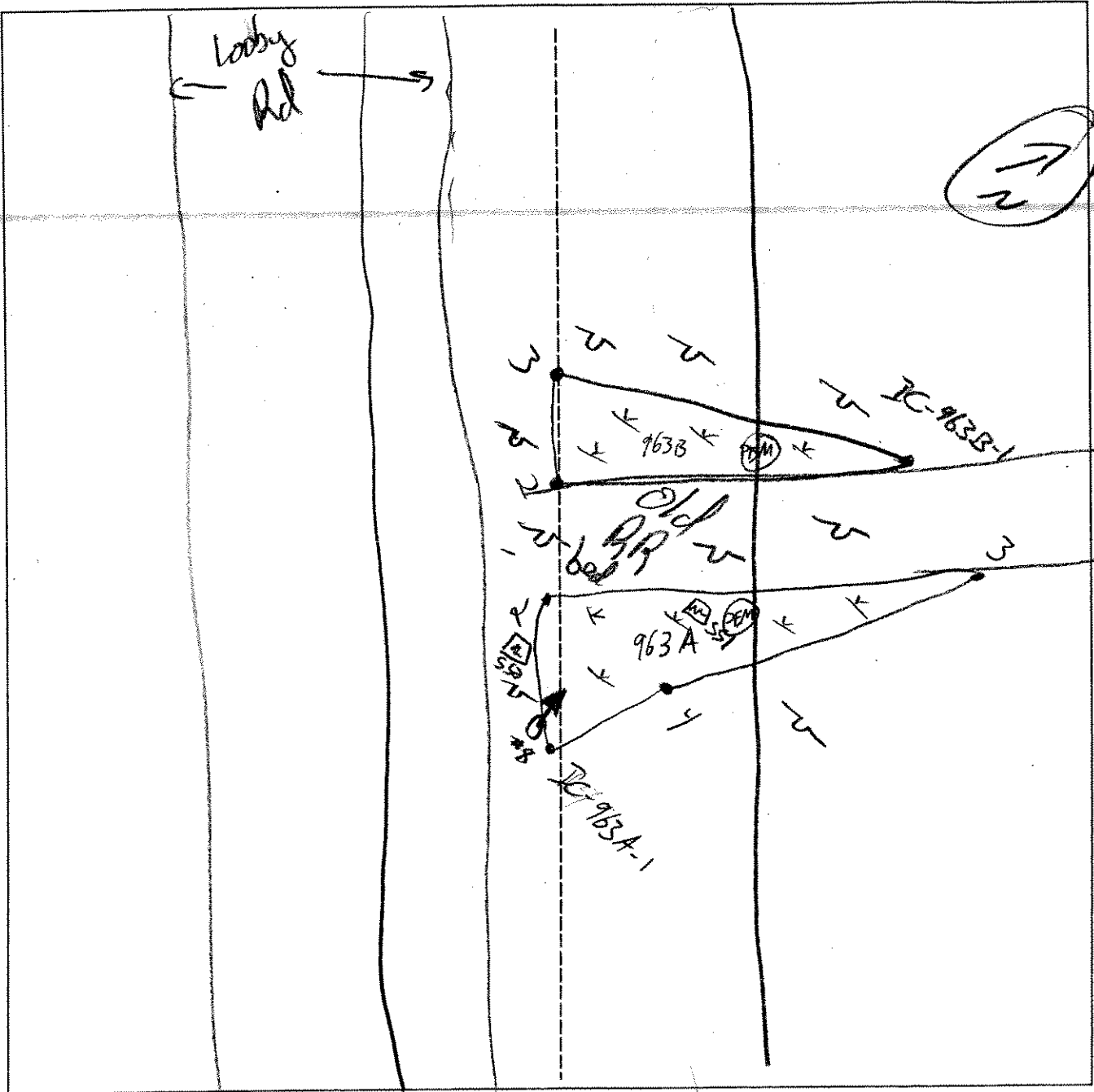
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: <i>IC-963A/B</i>	Date: <i>7/28/06</i>	Time:
Initials of Delineators: <i>KA, OV</i>	Location: <i>Whala rd / Lobby Rd Junction</i>	
Roll #: <i>KA</i>	Frames: <i>8</i>	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: K-969 A 551

VEGETATION

Plant Community Classification: PF04/1					
Percent Canopy Cover: Tree: 100 Shrub: 30 Herb: 60 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Abies balsamiae	T/S	FAC	10.		
3. Fraxinus pennsylvanica	S/H	FACW	11.		
4. Corylus cornuta	S/H	FACU	12.		
5. Carex sp	A	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/5 80%					
Remarks:					

HYDROLOGY

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

Date: 8/1/06
 Community ID:
 Plot ID: 1C-969 A -SS1

SOILS

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

Profile Description: ✓ Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12"	A	10YR 2/1	-	-	COARSE SANDY SILT
12+		10YR 3/2	-	-	"

Hydro Soil Indicators

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

Remarks: Color change at 12"+, could not dig further due to larger rocks @ 12"

WETLAND DETERMINATION

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

Remarks: Drew boundary line at change in elev & slight comp (veg) change.
 Photo 12 to N.

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM / JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-969-A/BSS2

VEGETATION

Plant Community Classification: UPL Forest mixed deciduous
 Percent Canopy Cover: Tree: Shrub: Herb: Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Abies balsamiae	T	FAC	9.		
2. Ostrya virginiana	T	FACU	10.		
3. Betula populifolia	T	FAC	11.		
4. Corylus cornuta	S	FACU	12.		
5. Prunus sp	S	FACU	13.		
6. Galium aparine	H	FACU	14.		
7. Carex sp	H	-	15.		
8. O. virginiana	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/8 25%

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC / TOPO <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> 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: photo # 13, 14 to S. NO soil moisture at all, soil falls apart.	

Date: 8/1/04
 Community ID:
 Plot ID: 1C-969 A/SS2
 B

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-10	A	10YR3/6			silt sandy loam

Hydro Soil Indicators

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

Remarks: Refusal @ 10"

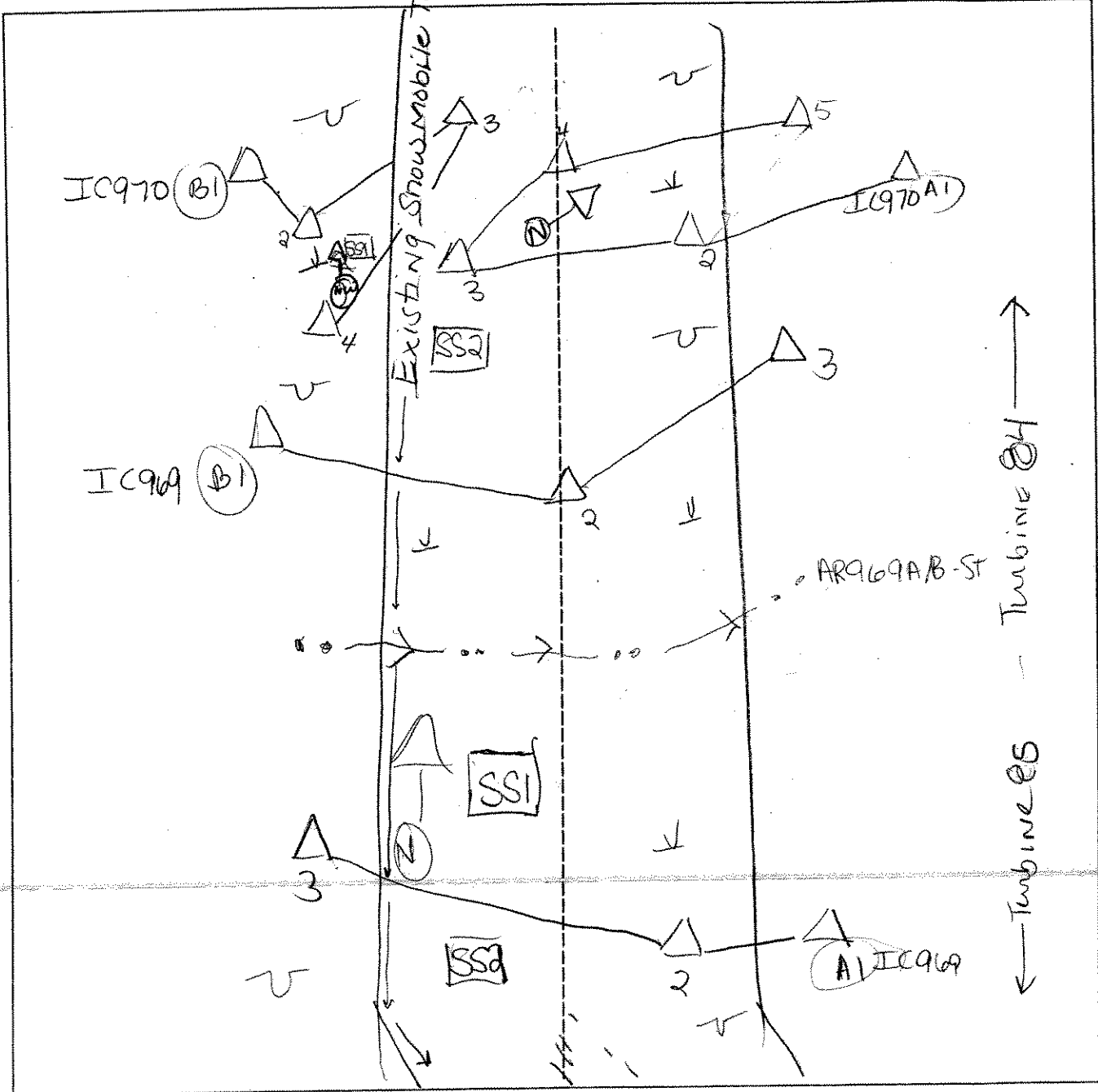
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC969 A/B + IC970 A/B		Date: 8-1-06	Time:
Initials of Delineators: SM JV		Location: IC between AR to turbine 85 + 84	
Roll #:	Frames: 909 => N	970 NW + N	



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

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

IC969AB
LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: PFO/PEM Transect ID: Plot ID: AR967 D-SS1

IC969AB

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: 000 Shrub: < 10 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ulmus americana</i>	T	FACW	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Alnus incana</i>	T	FACW	11.		
4. <i>Spiraea</i> sp.	S	FAC	12.		
5. Marsh marigold	H	GBL	13.		
6. <i>Impatiens capensis</i>	H	FACW	14.		
7. Grass sp.	H	=	15.		
8. Moss sp.	H	=	16.		

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

Remarks: Cannot id species b/c flower heads missing and leaves have not emerged completely.

HYDROLOGY

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

Date: 5/7/07
 Community ID: PFO/PEM
 Plot ID:

AR907 A SS1
 1C909 AB

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/1			silty

Hydro Soil Indicators

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

Remarks: moist, saturated at surf, water surface, depth refusal @ 12"

WETLAND DETERMINATION

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

Remarks: Dec 02 photo 7 = NW

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> 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>UPL</u> Transect ID: Plot ID: <u>AR 967 DA 552</u>

IC 969 AD

VEGETATION

Plant Community Classification: <u>Balsam Flats</u>					
Percent Canopy Cover: Tree: <u>85</u> Shrub: <u>20</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Abies balsamiae</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula Populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. balsamiae</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>A. cer. subrium</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Fragaria Virginiana</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Salix sp</u>	<u>H</u>	<u>—</u>	14.		
7. <u>Viburnum lantanoides</u>	<u>H</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>> 50%</u>					
Remarks: <u>cannot i.d species due to time of year</u>					

HYDROLOGY

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

Date: 5/7/07
 Community ID: UPL
 Plot ID: AR967 A 852
 10969 AB

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	O	7.5YR 2.5/2			
1-4	A	10YR 3/2			loam
4-14	B	10YR 3/2	10YK 4/3	distinct, few, med.	sandy loam

Hydro Soil Indicators

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

Remarks: slight organic streaking in B, soil dry to moist

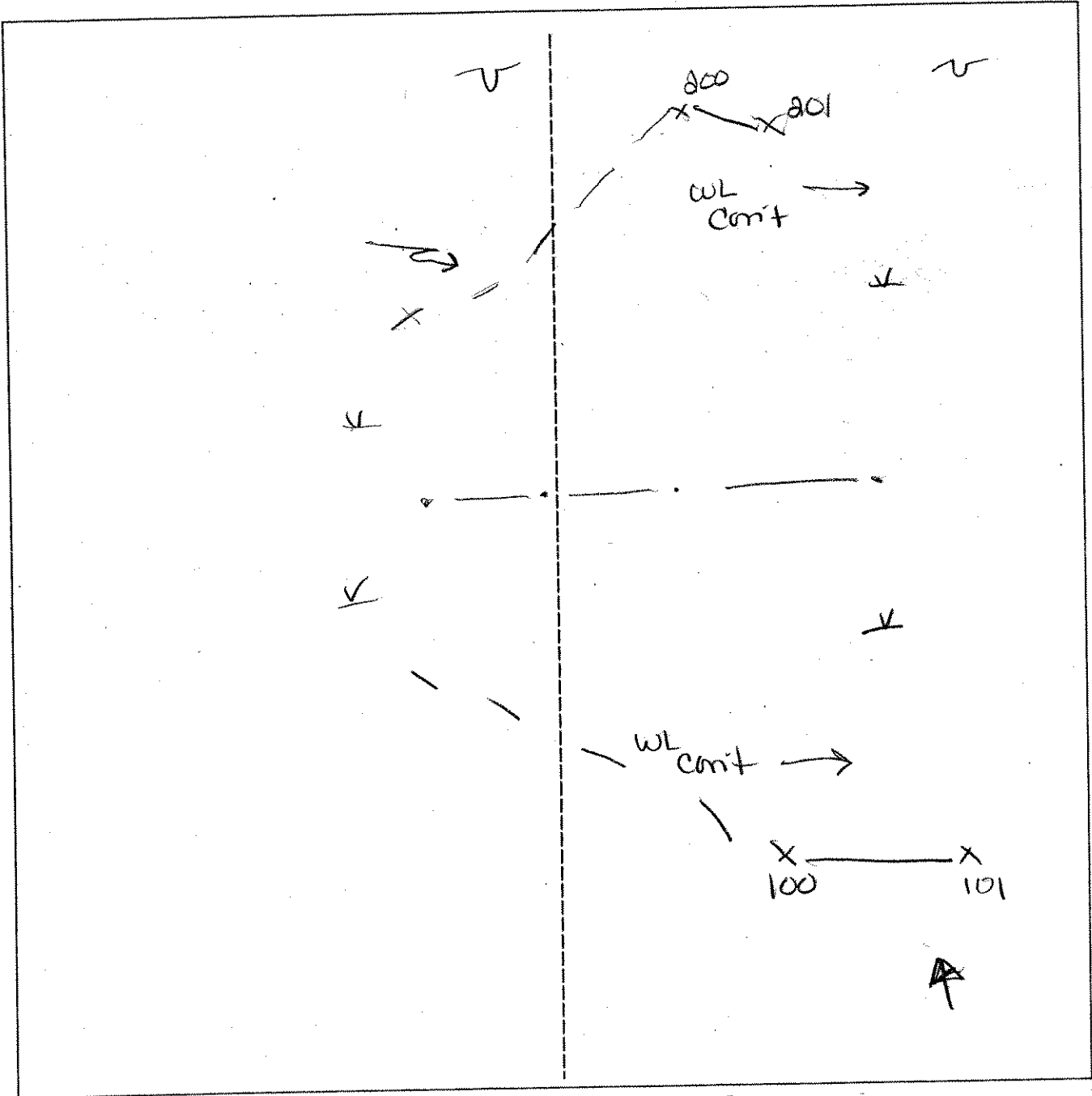
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: 1C9109 AB EXT	Date: 5/7/07	Time:
Initials of Delineators: JV AP	Location: W of T.85	
Roll #:	Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: Transect ID: Plot ID: IC-970 A SS1							

VEGETATION

Plant Community Classification:						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Acer rubrum	T	FAC	9.			
2. Osmunda sp.	H	FAC	10.			
3.			11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):						
Remarks: Representative similar to IC-970 B SS1						

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: Standing water @ surface in some areas, saturated @ 0"	

Date: 8/1/06
 Community ID:
 Plot ID: 1C-970 A-SS1

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12		10YR 2/N			Organic Muck

Hydro Soil Indicators

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

Remarks: Representative Plot
 Soils similar to 1C-970 B-SS2

WETLAND DETERMINATION

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

Remarks
 UPL Plot shared w/ 1C-970 B-SS2
 Photo 19 to N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<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;"><input type="checkbox"/> Yes</td> <td style="text-align: center;"><input checked="" type="checkbox"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/> Yes</td> <td style="text-align: center;"><input checked="" type="checkbox"/> No</td> </tr> </table>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No						
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No						
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No						
Community ID: Transect ID: Plot ID: 1C-970 B SS1							

VEGETATION

Plant Community Classification: FE04 Percent Canopy Cover: Tree: 70 Shrub: 30 Herb: 95 Vine: —					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Abies balsamiae	S	FAC	10.		
3. Osmunda regalis	H	FACW	11.		
4. Osmunda claytonia	H	FAC	12.		
5. Carex crinita	H	OBL	13.		
6. Galium asprellum	H	OBL	14.		
7. mosses			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: mosses > 20% abund. also Spiraea tomentosa					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPD <input type="checkbox"/> No Recorded Data Available	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.): 8" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 8/1/06
 Community ID:
 Plot ID: IC-970 B-SS1

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR2/N			mucky silt
12-18	B	10YR6/2	10YR 5/4	many coarse famt	silty sand

Hydro Soil Indicators

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

Remarks: Black mucky A horizon

WETLAND DETERMINATION

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

Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

Photo 18 to ~~19~~ NW

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM / JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
Community ID: Transect ID: Plot ID: K-970 B-SS2	

VEGETATION

and IC-970 A-SS2

Plant Community Classification: mixed deciduous forest						
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Acer rubrum	T	FAC	9.			
2. Betula populifolia	T	FAC	10.			
3. Prunus (Pin cherry)	S	FACU	11.			
4. Abies balsamiae	S	FAC	12.			
5. Prunus (Pin cherry)	H	FACU	13.			
6. Maianthemum canadense	H	FAC	14.			
7. Shining Clubmoss	H	FACU	15.			
8			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 3/7 < 50%						
Remarks:						

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TDPO <input type="checkbox"/> No Recorded Data Available	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.): 10"	Remarks:
Photo 17 to SE @ SS2	

Date: 8/1/06
 Community ID:
 Plot ID: IC 970 B-SS2

SOILS

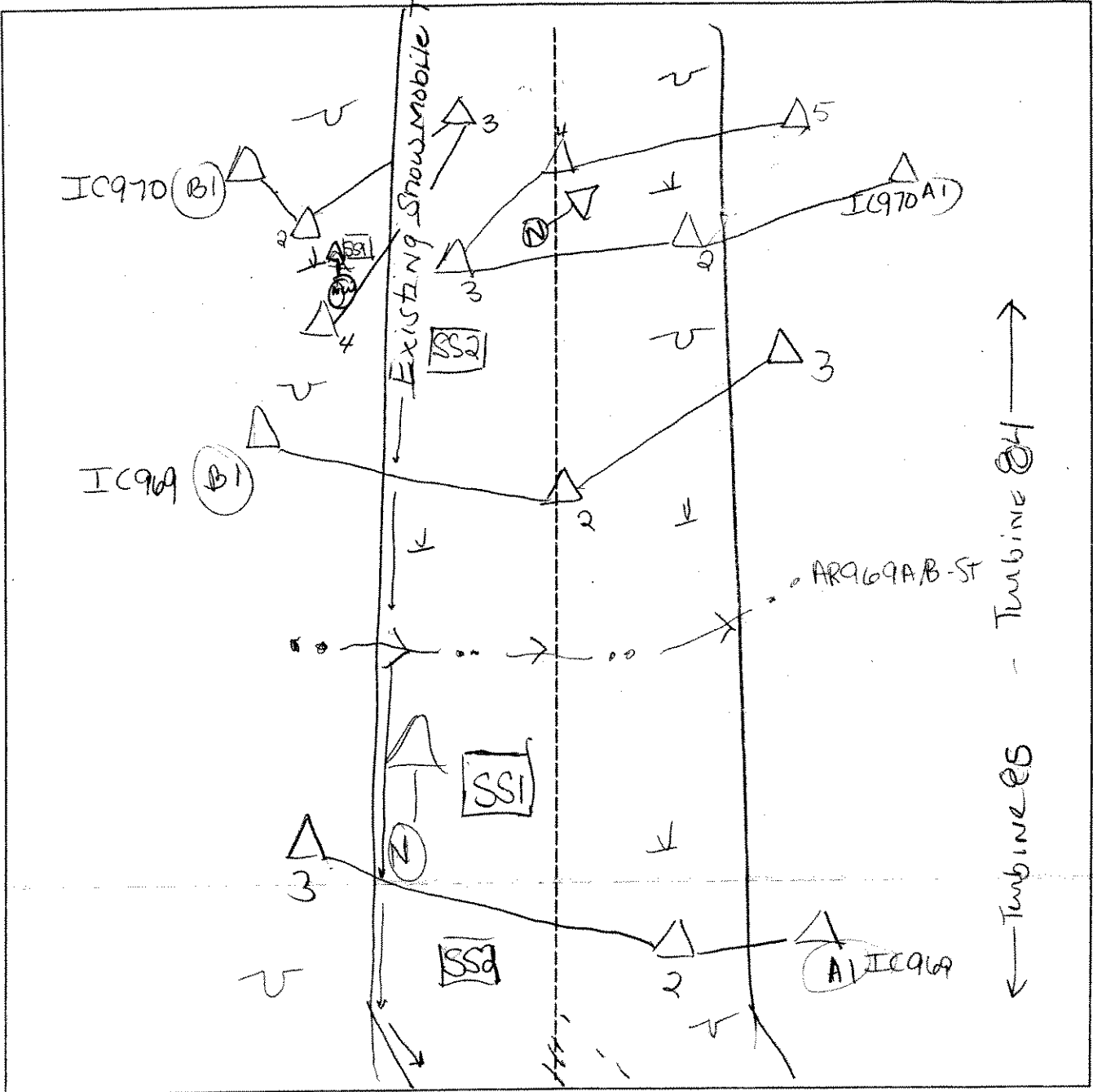
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/1			Silty sand
8-14	B1	10YR 3/6			"
14-16	B2	2.5Y 6/3			"
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="radio"/>	No	<input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input checked="" type="radio"/>	Yes	No	<input type="radio"/>	
Hydric Soils Present?	Yes	<input checked="" type="radio"/>	No	<input type="radio"/>	
Remarks					
This Station is also used for IC-970 A SS2					

SKETCH FORM

Wetland ID/Route #: IC969 A/B + IC970 A/B	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC between AR to turbine 85 + 84	
Roll #:	Frames: 409 => N	970 NW + N



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-971-ASS1

VEGETATION

Plant Community Classification: PFO4	Tree: 60	Shrub: 20	Herb: 100	Vine: -	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Betula populifolia	T/S	FAC	10.		
3. Osunda claytonia	H	FAC	11.		
4. Onoclea sensibilis	H	FACW	12.		
5. Carex crinita	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPO <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): 0'	
Remarks: photo 20 to west - UPL SS 2 21 to east - WL SS 1	

Date: 8/1/06
 Community ID:
 Plot ID: IC-971 A-SS1

SOILS

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

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-14	A	10YR2/1			Fine sandy silt
14-18	B	2.5Y 5/2	10YR4/6	Few, coarse, distinct	Silty Fine Sand

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks: photo 91

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 2/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-971 A 552

VEGETATION

dom = sub dom

Plant Community Classification: UPL Forest / shrubs ; deciduous
 Percent Canopy Cover: Tree: 60 Shrub: 50 Herb: 80 Vine: —

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Prunus serotina	I	FACU	9.		
2. Fraxinus pennsylvanica	I	FACW	10.		
3. Acer rubrum	I	FAC	11.		
4. Prunus serotina	S	FACU	12.		
5. F. pennsylvanica	S	FACW	13.		
6. Solidago racosa	H	FAC	14.		
7. unknown Solidago	H	—	15.		
8. Acer saccharum	H	FACU	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/7; > 50%

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC, TOPO <input type="checkbox"/> No Recorded Data Available	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.): > 8"	
Remarks: Soil has little moisture, falls apart	

Date: 8/1/06
 Community ID:
 Plot ID: 1C-971A-SS2

SOILS

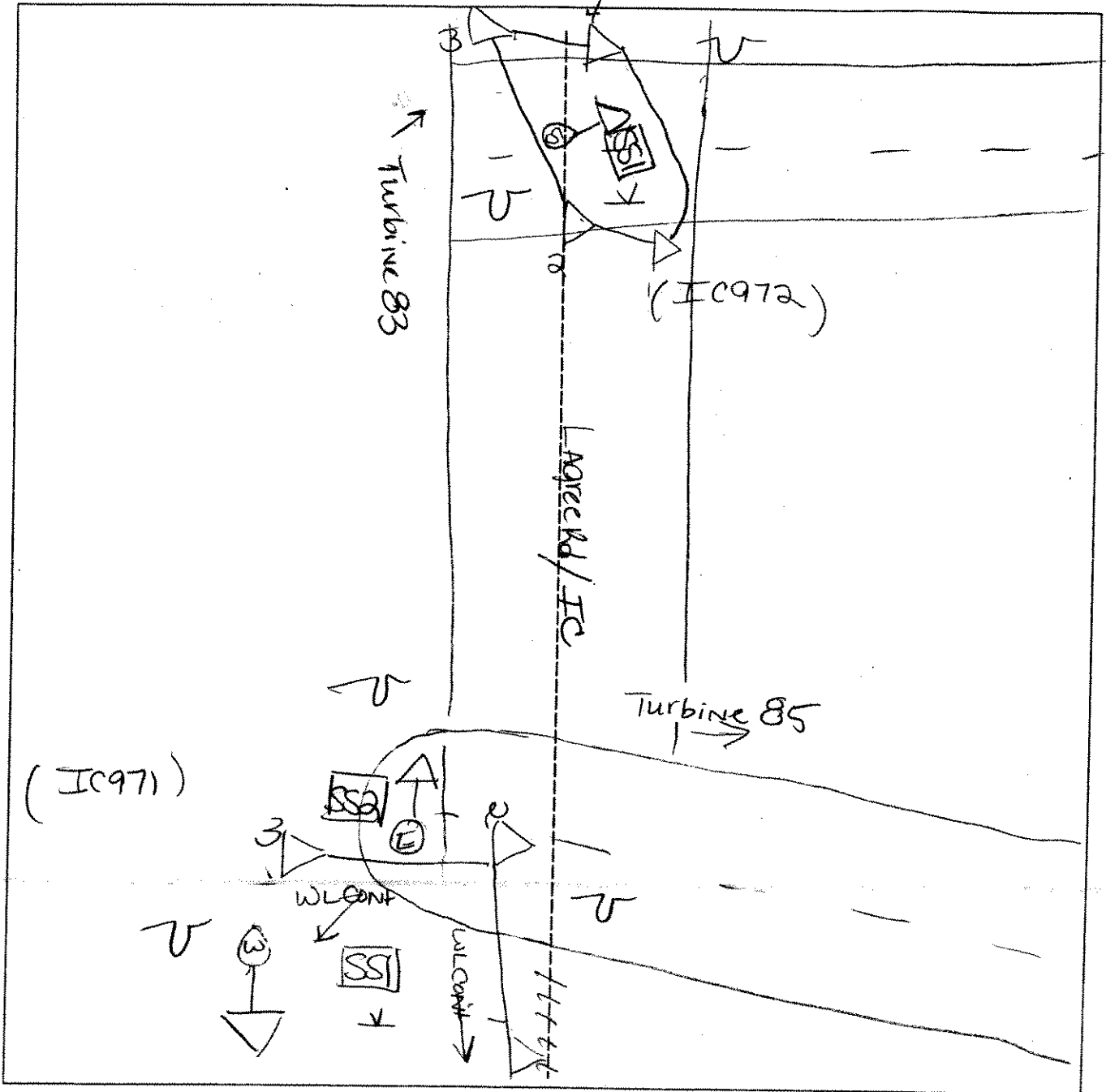
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A ₁	10YR 3/2			
3-8	A ₂	10YR 3/4			
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 8"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks Photo 20 UPL SS2		

SKETCH FORM

Wetland ID/Route #: IC971A + IC972A	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC blt AR to turbines 85 + 83	
Roll #: Frames: IC971 => E, IC972 => W + S		



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

← N

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/7/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: PSS/PBN Transect ID: Plot ID: 1C971 A SSI

VEGETATION

Plant Community Classification: Alder Swamp
Percent Canopy Cover: Tree: Shrub: 70 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Alnus nigra</i>	S	FACW	9.		
2. <i>Betula populifolia</i>	S	FAC	10.		
3. <i>Spirea latifolia</i>	S	FAC	11.		
4. <i>Caltha palustris</i>	H	OBL	12.		
5. <i>Juncus</i>	H	OBL	13.		
6. <i>Quercus</i> sp	H		14.		
7.			15.		
8.			16.		

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

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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 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" in spots Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: Adjacent UPL area to east slopes into WL. WL receives discharge via surface/groundwater. Culvert connects adjacent DEC wet @ R971-A100	

Date: 5/7/07
 Community ID: PSS (perm)
 Plot ID: K97L A SSI

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	7.5YR 2.5/1			SIF
10-15	B	5Y 5/2	10YR 4/6	prom., common, sparse	sandy clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: soil moist 0-8, saturated 8-15, organic streaks					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks DEC wetland photo 5 = 5			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/7/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>1C971 ASS2</u>

EXT

VEGETATION

Plant Community Classification: <u>Mixed Deciduous</u>					
Percent Canopy Cover: Tree: <u>90</u> Shrub: <u>95</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fraxinus americana</u>	<u>T</u>	<u>FACW</u>	10.		
3. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Rubus sp.</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Dracopis americanum</u>	<u>H</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>>50%</u>					
Remarks: <u>Christonia observed along transmission area.</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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: 5/7/07
 Community ID: UPL
 Plot ID: 10971 A 552

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 3/1			silt loam
4-14	B	10YR 2/1			silt loam
14-16	C	7.5YR 5/2			loam

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Plagic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: soil moist, not saturated

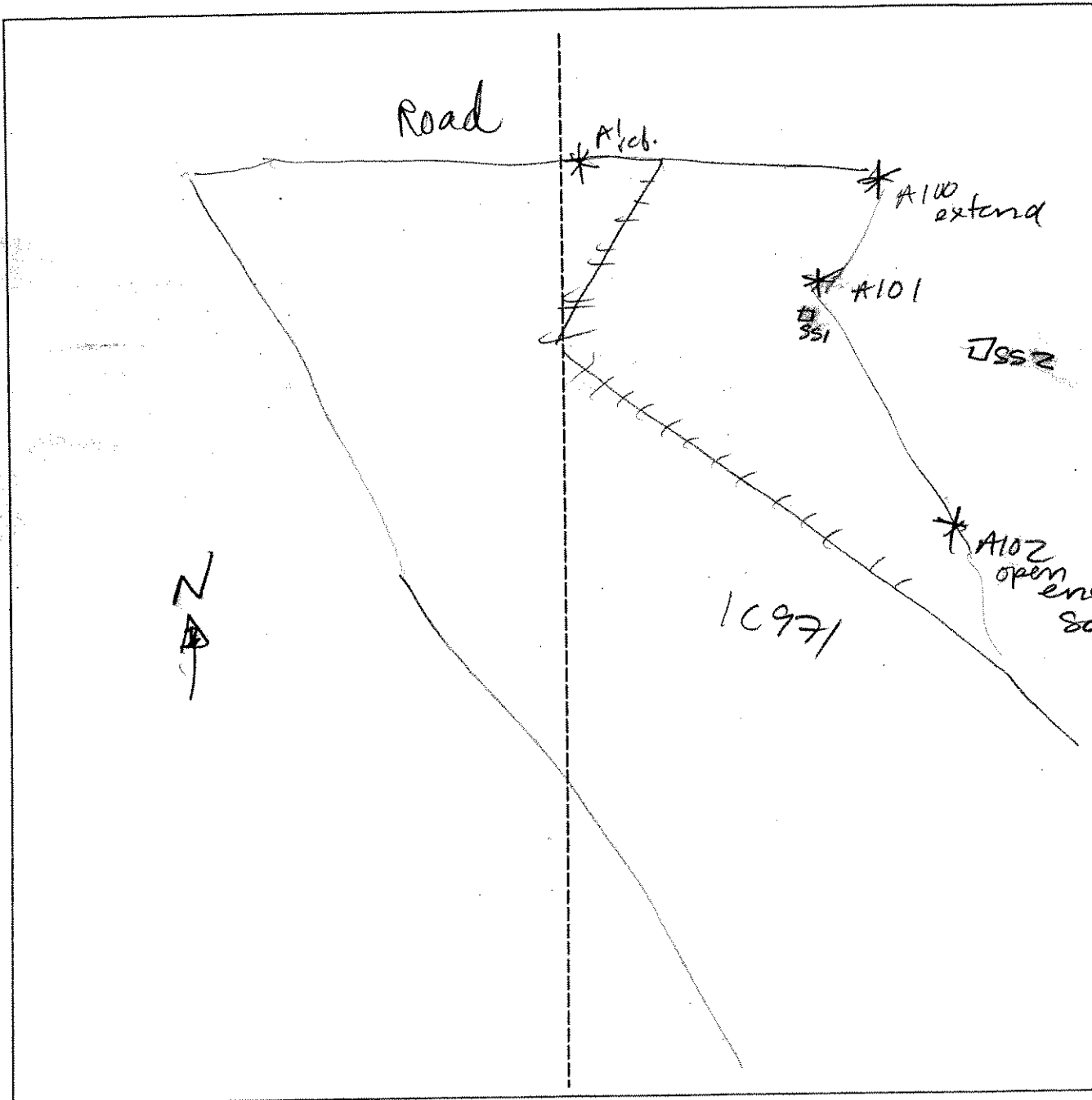
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: 10971 EXTENSION	Date: 7 May 07	Time:
Initials of Delineators: JV - AP	Location:	
Roll #:	Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/SV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: K-972A S51

VEGETATION

Plant Community Classification: PEM	Tree:	Shrub:	Herb: 100	Vine:	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Unknown grass	H		9.		
2. Unknown Carex			10.		
3. Onoclea sensibilis			11.		
4. Medicago (black)			12.		
5. Elyocharis			13.		
6. Polygonum			14.		
7. 3-awn sedge			15.		
8. Common plantain	V		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPD <input type="checkbox"/> No Recorded Data Available	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.): 11" Depth to Saturated Soil (in.): 3"	
Remarks: water continues to film soil pit	

Date: 8/1/06
 Community ID:
 Plot ID: 1C-972 A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6		10YR 3/2	-		silt loam
6-17		10YR 5/1	10YR 3/6	COMMON, med. PROM.	silt loam
17-18		10YR 6/2	-		silty coarse sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: Photo 22 to NE			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SMJSV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-972 A 552

VEGETATION

Plant Community Classification: Upland - mixed deciduous					
Percent Canopy Cover: Tree: 80 Shrub: 20 Herb: 20 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Pinus serotina	T	FACU	9.		
2. Cretaceous sp.	T	FACU	10.		
3. Cretaceous sp.	S	FACU	11.		
4. P. serotina	S	FACU	12.		
5. Flat top white Aster	H	FACW	13.		
6. Common red Raspberry	H	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 2/6 = 33%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC / TOPD <input type="checkbox"/> No Recorded Data Available	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: very moist but not saturated from 12-18

Date: 8/1/06
 Community ID:
 Plot ID: C-972A-SS2

SOILS

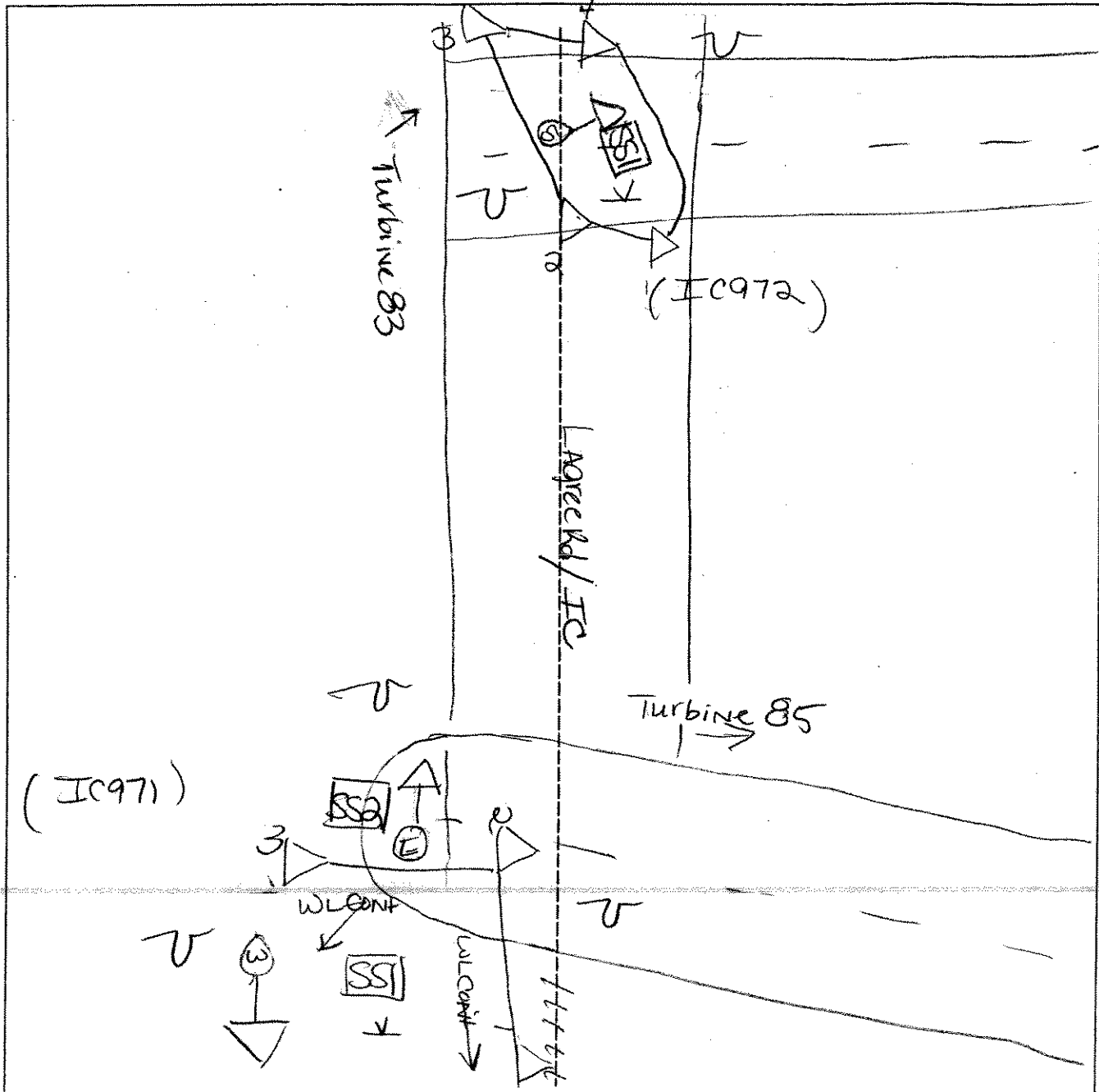
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-7	A ₁	10YR 2/2			Loam
7-15	A ₂	10YR 3/2			"
15-18	B	10YR 7/1	10YR 4/0	common, med, distinct	Silty Sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks <div style="text-align: center; font-size: 2em; font-family: cursive;"> Photo # 23 to N (SS2) </div>			

SKETCH FORM

Wetland ID/Route #: IC971A + IC972A	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC bit AR to turbines 85 + 83	
Roll #: Frames: IC971 => E, IC972 => W + S		



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/1/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> NO Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> NO * Is the area a potential Problem Area? Yes <input checked="" type="radio"/> NO (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-973 A-SS1

VEGETATION

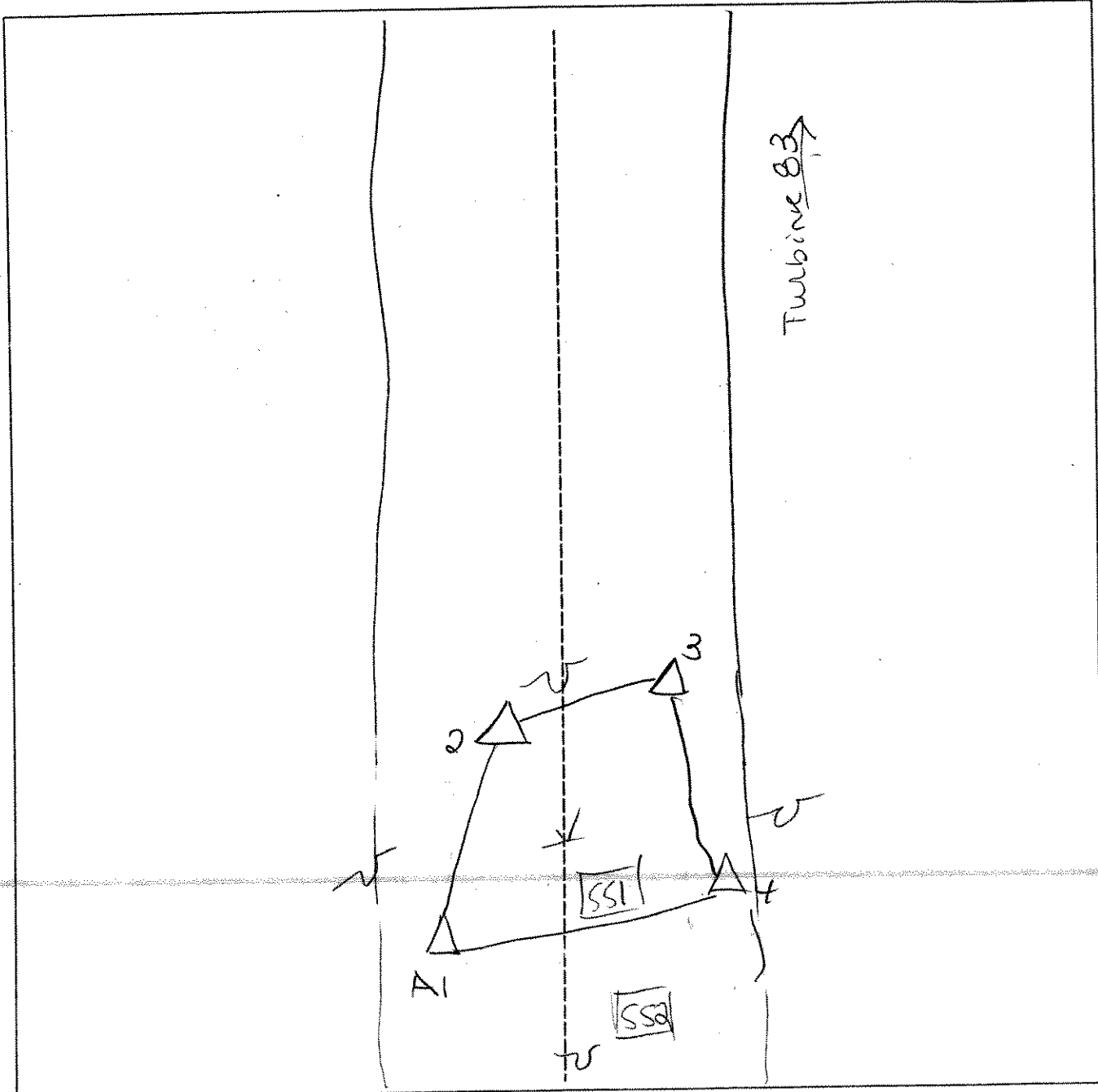
Plant Community Classification: PEM					
Percent Canopy Cover:		Tree: -	Shrub: -	Herb: 100	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Aster umbellatus	H	FACW	9.		
2. Lance-leaf goldenrod	H	FAC	10.		
3. Scirpus atrovirens	H	OBL	11.		
4. Sedges	H	-	12.		
5. Rushes	H	-	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):			100%	3/3	
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DRC / TOPO <input type="checkbox"/> No Recorded Data Available	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.): 0"	
Remarks:	

SKETCH FORM

Wetland ID/Route #: IC973A	Date: 8-1-06	Time:
Initials of Delineators: SM JV	Location: IC/AR to turbine 83	
Roll #:	Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes * No Is the site significantly disturbed (Atypical Situation)? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-977 B SS1

VEGETATION

Plant Community Classification: PEM					
Percent Canopy Cover:		Tree:	Shrub:	Herb: 100	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Poa pratensis</i>	H	FACU	9.		
2. <i>Scirpus atrovirens</i>	H	OBL	10.		
3. <i>Agrostis alba</i>	H	FACW	11.		
4. <i>Polygonum sagittatum</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 74 75%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + T&E <input type="checkbox"/> No Recorded Data Available	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.): 0'	
Remarks:	

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>SM/JV</i>	Date: <i>8/31/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <i>IC-977 @ SS1</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>-</i> Shrub: <i>10%</i> Herb: <i>100</i> Vine: <i>-</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Salix helmiana</i>	<i>S</i>	<i>FACW</i>	9.		
2. <i>Agrostis alba</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Impatiens capensis</i>	<i>H</i>	<i>FACW</i>	11.		
4. <i>Polygonum sagittatum</i>	<i>H</i>	<i>OBL</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks: <i>Fallow Field</i> <i>vegetation similar to IC-977 B SS1</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <i>DEC + TOPO</i> <input type="checkbox"/> No Recorded Data Available	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>Representative Plot</i> <i>hydrology similar to IC-977 B SS1</i>	

Date: 8/3/06
 Community ID:
 Plot ID: IC-977 C SS1

SOILS

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

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

Hydro Soil Indicators

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

Remarks: Representative Plot
 Soils similar to IC 977B SS1

WETLAND DETERMINATION

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

Remarks: Photo 41 to SE
 Upland Station shared w/ IC-977 B SS2

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: 1C-977 B 452 1C977 C

VEGETATION

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

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Hordeum vulgare</i>	H		9.		
2. cow vetch			10.		
3. crown vetch			11.		
4. <i>Medicago sativa</i>	↓		12.		
5. <i>trifolium</i> spp.	↓	FACU	13.		
6. <i>melilotus</i> spp.	↓	FACU	14.		
7.			15.		
8.			16.		

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

Remarks: (X) Active Ag - Pasture (Hordeum vulgare - barley)
CLOVERS → Sweet, White, Red

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC/TOPO <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> 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.): > 16"	
Remarks:	

Date: 8/3/06
 Community ID:
 Plot ID: IC-977 B/CSS2

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 3/2	10YR 3/6	Common, Fine, distinct	very fine sandy loam

Hydro Soil Indicators

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

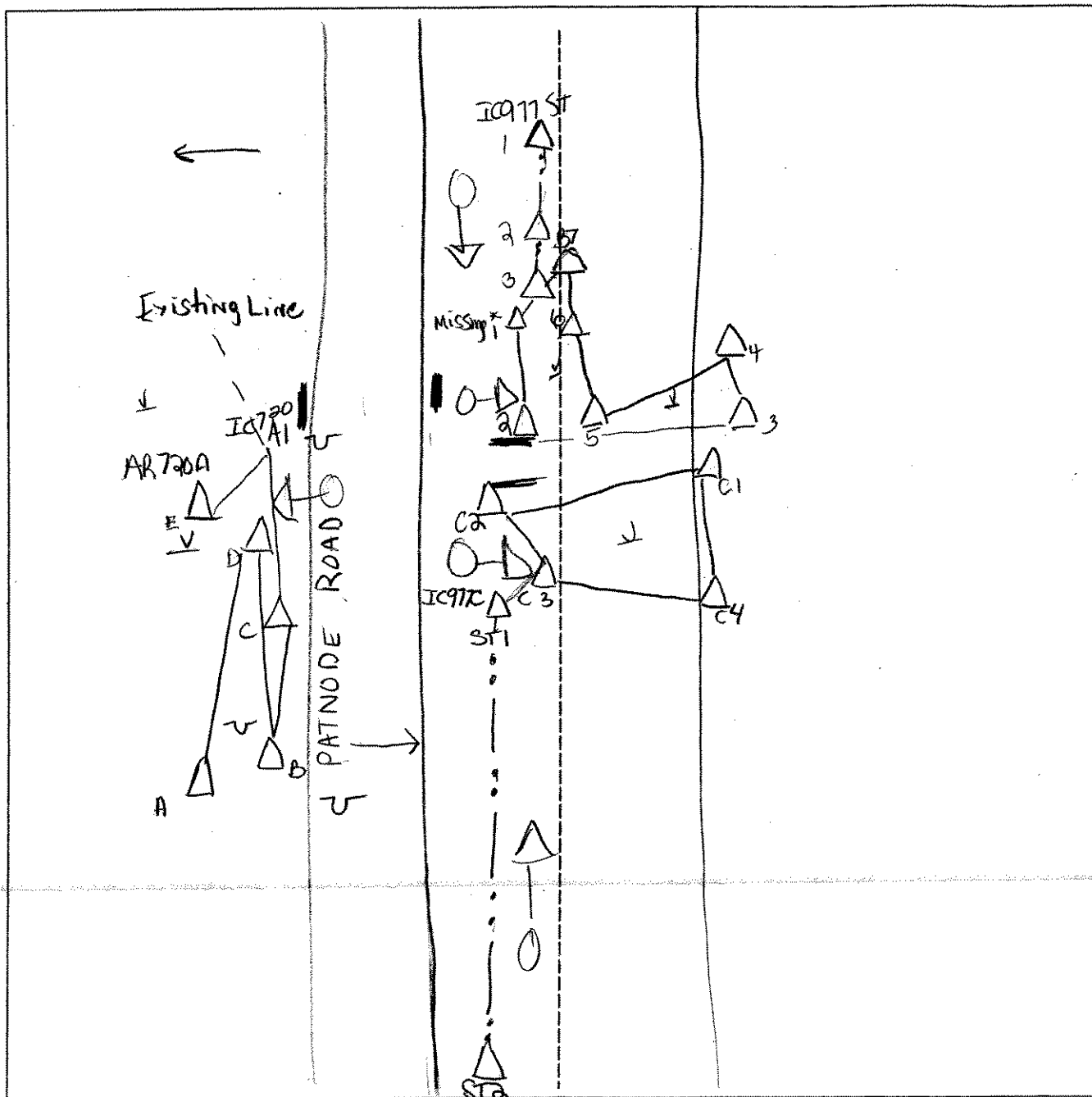
Remarks:

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		
Photo 40 to NE		

SKETCH FORM

Wetland ID/Route #: IC977A-ST/B/C-ST/C + AR720A		Date: 8-3-06	Time:
Initials of Delineators: Sm JV		Location: IC blt turbine Co road AR along Patnode Rd	
Roll #:	Frames:		



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

↑

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM JV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-978 A/B/D/E-E

VEGETATION

Plant Community Classification: ^{PSS} Percent Canopy Cover: Tree: 25 Shrub: 60 Herb: 80 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula populifolia</i>	T	FAC	9.		
2. <i>Salix helvetica</i>	S	FACW	10.		
3. <i>Alnus rugosa</i>	S	FACW+	11.		
4. <i>Cornus</i> spp	S	FAC	12.		
5. <i>Typha latifolia</i>	H	OBL	13.		
6. <i>Eupatorium maculatus</i>	H	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: This large DEC wetland is bisected by Hwy 189; one data sheet for 978 A, -B, -D, & E					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC & TOPO <input type="checkbox"/> No Recorded Data Available	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 Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> 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.): Depth to Saturated Soil (in.): 0" in most places	
Remarks:	

Date: 8/3/06
 Community ID:
 Plot ID: IC-978 A/B/D/E-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	—	—	Peaty Muck
Hydro Soil Indicators					
<input checked="" type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks			
Photo 44 = SS 1 w/ station to S 42 = IC 978A at Lagree # 189 43 = IC 978D at Lagree/Swamp Rd # 189			

[no adj uplands]

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/SV	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC-978 A/B/D/E SS 2

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: 20 Shrub: Herb: 1 Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Populus tremuloides	T	FACU	9.		
2. Bromus tectorum	H	NI	10.		
3. Ixia sp	H	FACU	11.		
4. Dewberry sp.	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/4 = 25%					
Remarks: <input checked="" type="radio"/> Fallow Field Pasture					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + TOPO <input type="checkbox"/> No Recorded Data Available	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.): > 8"	
Remarks:	

Date: 8/3/06
 Community ID:
 Plot ID: IC-978 A/B/D/E -SS2

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-7	A	10YR 3/2			Sandy loam
7-8	E	10YR 6/2 &	10YR 4/2	(NO MOTTLES)	Sandy loam

Hydro Soil Indicators

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

Remarks:

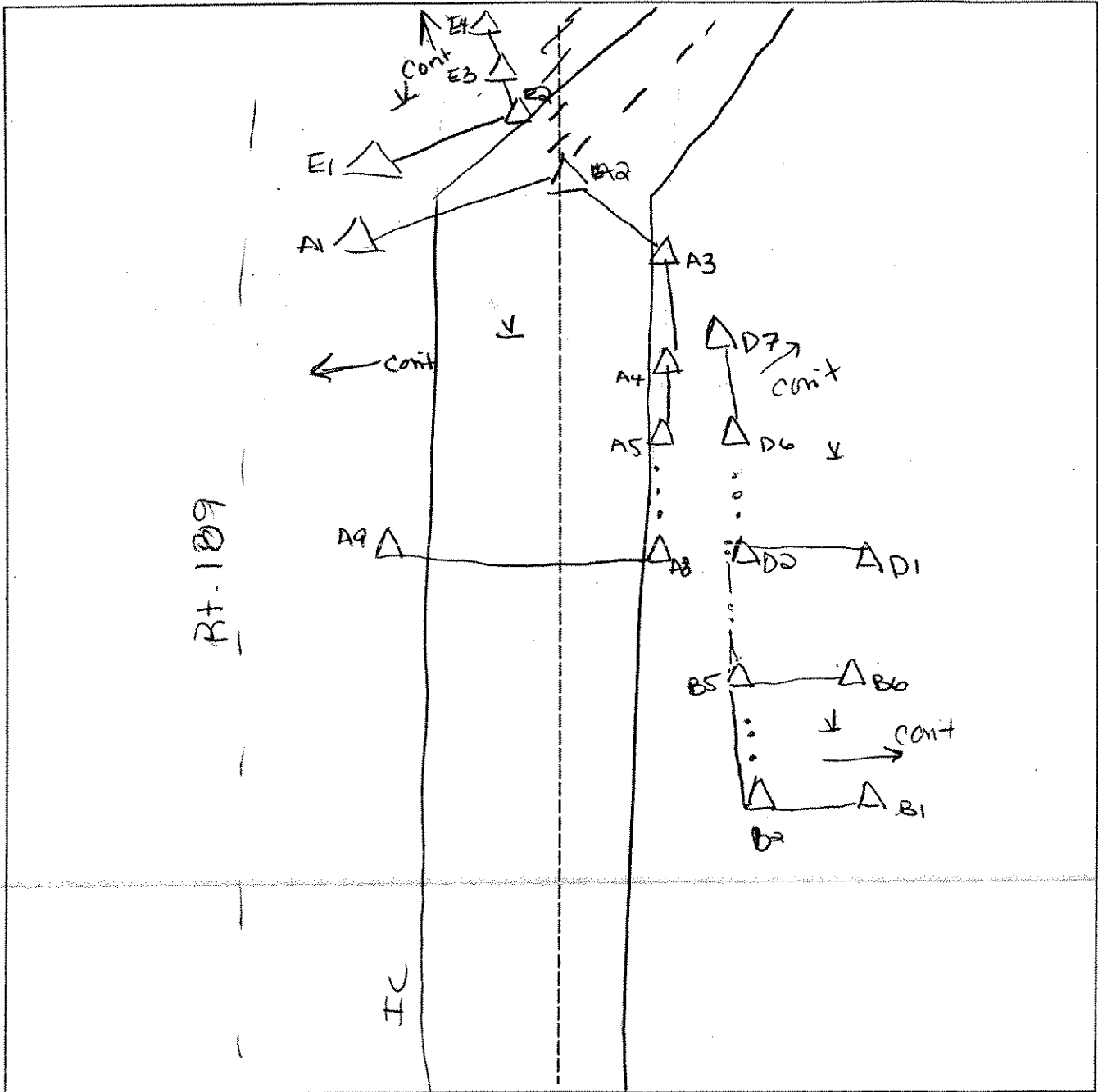
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

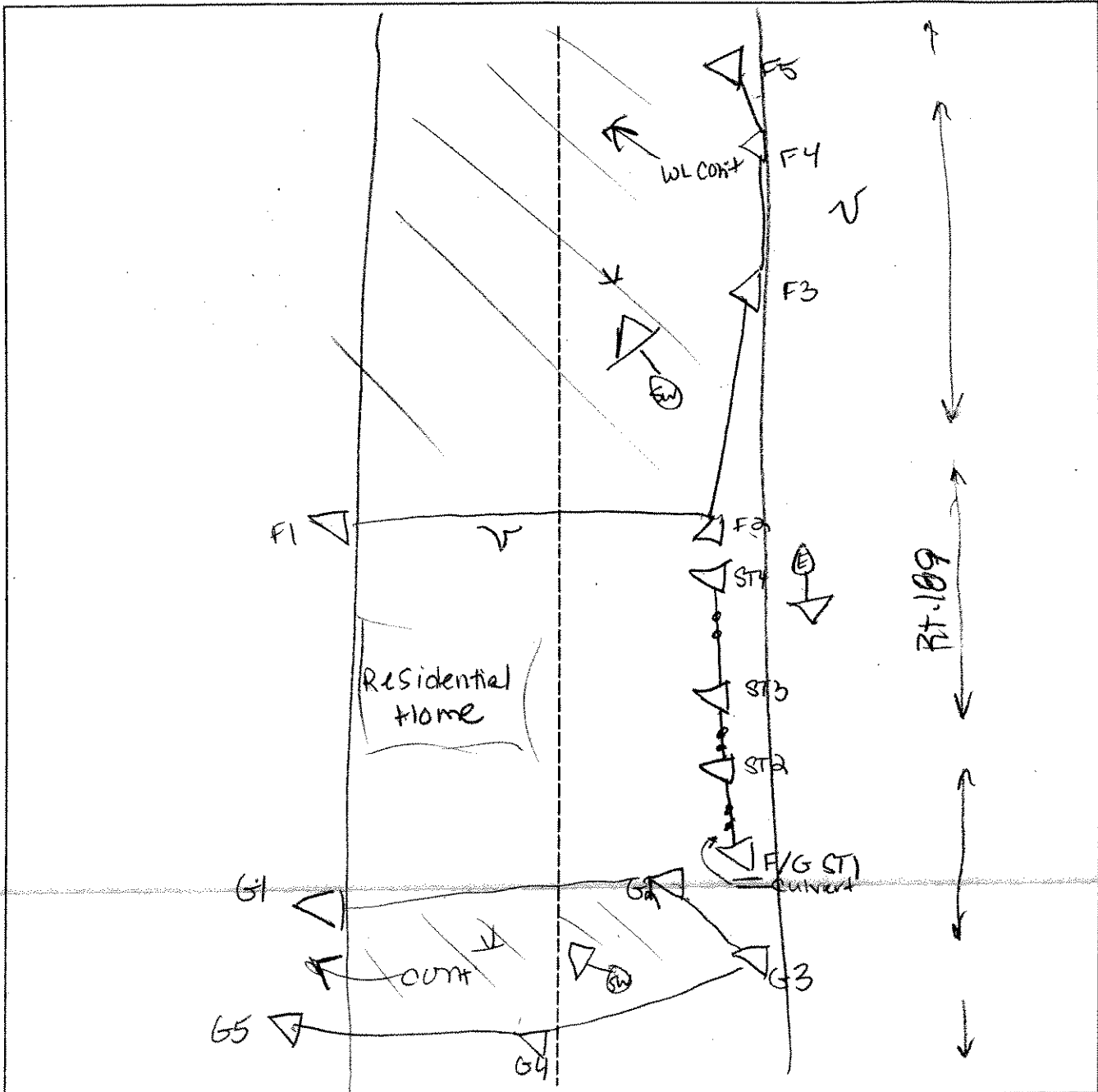
Wetland ID/Route #: IC 978A/B/D/E	Date: 8-3-06	Time:
Initials of Delineators: SMJV	Location: IC B4 AR to turbine 48W + new turbine 203 partitions on 189	
Roll #:	Frames:	



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

SKETCH FORM

Wetland ID/Route #: IC978 F/G	Date: 8-4-06	Time:
Initials of Delineators: SM JV	Location: IC bit AR to turbines 48+203	
Roll #:	Frames:	



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

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

LIVE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/5/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: 1978 AF SSI

VEGETATION

Plant Community Classification: *Piedmont mesic*
 Percent Canopy Cover: Tree: 90 Shrub: 100 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Alnus Rupestris	T	FAC	10.		
3. Prunus serotina	S	FACW	11.		
4. A. rubra	S	FAC	12.		
5. A. rupestris	S	FAC	13.		
6. P. serotina	S	FACW	14.		
7. Ilex verticillata	H	FACW	15.		
8. Grass sp	H		16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):
 Remarks: * prunus observed on edge of wl

HYDROLOGY

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

Date: 5/5/07
 Community ID:
 Plot ID: 1C978-AE SSI

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-20	A	10YR 2/1			Silt loam

Hydro Soil Indicators

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

Remarks: High organic content. Approx 6" peat-like soils forming.
 Woody debris decomposing

WETLAND DETERMINATION

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

Remarks: Photo 7 = S

 DEC wetland

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/5/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPL</i> Transect ID: Plot ID: <i>1C978 AFSS2</i>

EXT

VEGETATION

Plant Community Classification: <i>Prond</i> Percent Canopy Cover: Tree: _____ Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>None</i>			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): _____					
Remarks: _____					

HYDROLOGY

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

Date: 5/5/07.
 Community ID: UPL
 Plot ID: 1C978 AF 582

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
N/A					
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks: UPL area consists of compacted fill. For 978A UPL area consists of paved road for 978F					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="radio"/>	<input type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes	<input checked="" type="radio"/>	<input type="radio"/>	
Hydric Soils Present?	Yes	<input checked="" type="radio"/>	<input type="radio"/>	
Remarks: Road bisects DEC WL.				

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>JV AP</i>	Date: <i>5/5/07</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>PEM</i> Transect ID: Plot ID: <i>K978 G551</i>

EXT

VEGETATION

Plant Community Classification: <i>PEM</i>					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>90</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Cattails</i>	<i>H</i>	<i>OBL</i>	9.		
2. <i>Bud Canary grass</i>	<i>H</i>	<i>FACW</i>	10.		
3. <i>Impatiens capensis</i>	<i>H</i>	<i>FACW</i>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

HYDROLOGY

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

Date: 5/5/07
 Community ID: pem
 Plot ID: 1C978 G 881

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/2	10YR 5/4	Few Med Distinct	Sandy loam

Hydro Soil Indicators

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

Remarks: _____

WETLAND DETERMINATION

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

Remarks: DEC w

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/5/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPL</u> Transect ID: Plot ID: <u>10978 582</u>

VEGETATION

EXT

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

HYDROLOGY

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

Date: 5/5/07
 Community ID: UPL
 Plot ID: K978 B582

SOILS

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

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

Hydro Soil Indicators

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

Remarks: Could not assess soils. Maintained yard

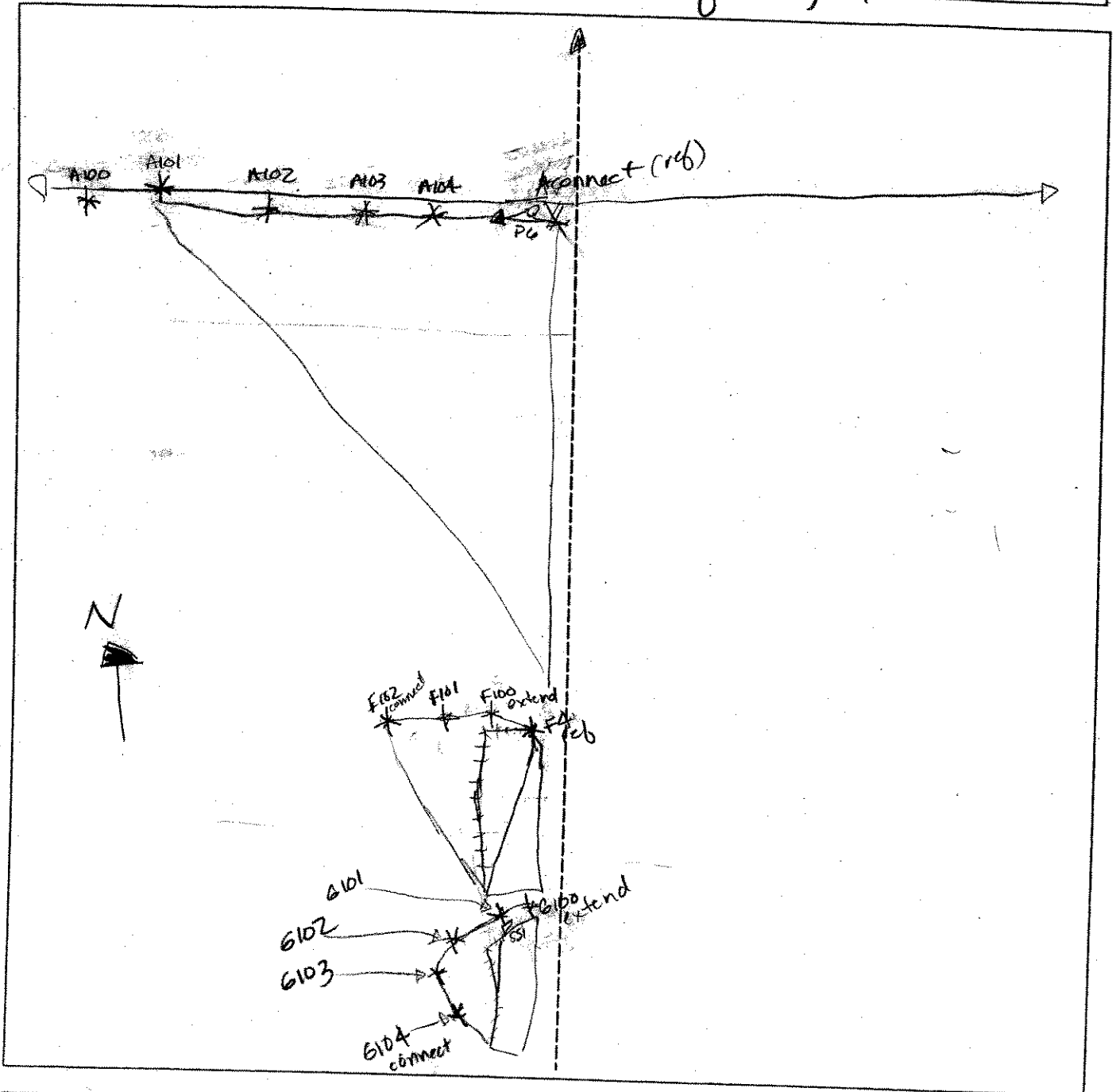
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC978 A, F, G EXT		Date: 5 May 07	Time:
Initials of Delineators: JV, AP		Location: IC978 A, F, G	
Roll #:	Frames: photo 6 by A connect facing West		



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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM JV SC	Date: 8-15-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (If needed, explain on reverse.)	Community ID: Transect ID: PEM1/PFO Plot ID: ILC980A-SSI

VEGETATION

Plant Community Classification: PEM					
Percent Canopy Cover:		Tree: 0	Shrub: 45	Herb: 45	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	S	FAC	9.		
2. Grass sp.	H		10.		
3. St John Wort H. canadense	H	FACW	11.		
4. Narrow lf grass	H	OBL	12.		
5. Smartweed SP	H		13.		
6. Northern Bugweed	H	OBL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%.					
Remarks: White top Fly Asher prominent throughout site. Grass sp growing in low spots where standing water + poor drainage occurs (includes Carex)					

HYDROLOGY

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

Date: 8.15.06
 Community ID: PEM
 Plot ID: IC980A-551

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR 3/2	5YR 4/6	Common/course/prom	fine sandy silt

Hydro Soil Indicators

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

Remarks:
 Very shallow soils w/ Bedrock near surface. Soils in low areas are very sticky and saturated. Soils include heavy organics

WETLAND DETERMINATION

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

Remarks Adjacent to recently created road. Boulders and ruts exist within wetland area. Located in active logging area. within DEC wetland
 Photo 2 + 3
 NW SE

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SC SM JV</u>	Date: <u>8-15-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the site significantly disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is the area a potential Problem Area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC980A-55a</u>

VEGETATION

Plant Community Classification: <u>existing logging road</u>					
Percent Canopy Cover: Tree: <input type="checkbox"/> Shrub: <input type="checkbox"/> Herb: <input type="checkbox"/> Vine: <input type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Representative plot</u>					

HYDROLOGY

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

Date: 8.15.06
 Community ID: Upland
 Plot ID: IC 980A-552

SOILS

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

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

Hydro Soil Indicators

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

WETLAND DETERMINATION

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

Remarks: Representative plot. upland consists of logging road visible in photo # PB150002 and -0003.

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>Sm JV SC</u>	Date: <u>8-15-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PEM/PFO</u> Transect ID: Plot ID: <u>IC980A-SS3</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>30</u> Herb: <u>60</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	10.		
3. <u>Hayscented Fern</u>	<u>H</u>		11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>Portion of wetland consists of red maple forest adjacent</u> <u>dominant Beech up land.</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>TOPO/DEC</u> <input type="checkbox"/> No Recorded Data Available	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>Representative plot of IC980A-SS1</u>	

Date: 8-15-06
 Community ID: PFO
 Plot ID: IC980A-SS3

SOILS

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

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

Hydro Soil Indicators

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

Remarks: Representative plot of IC980A-SS1

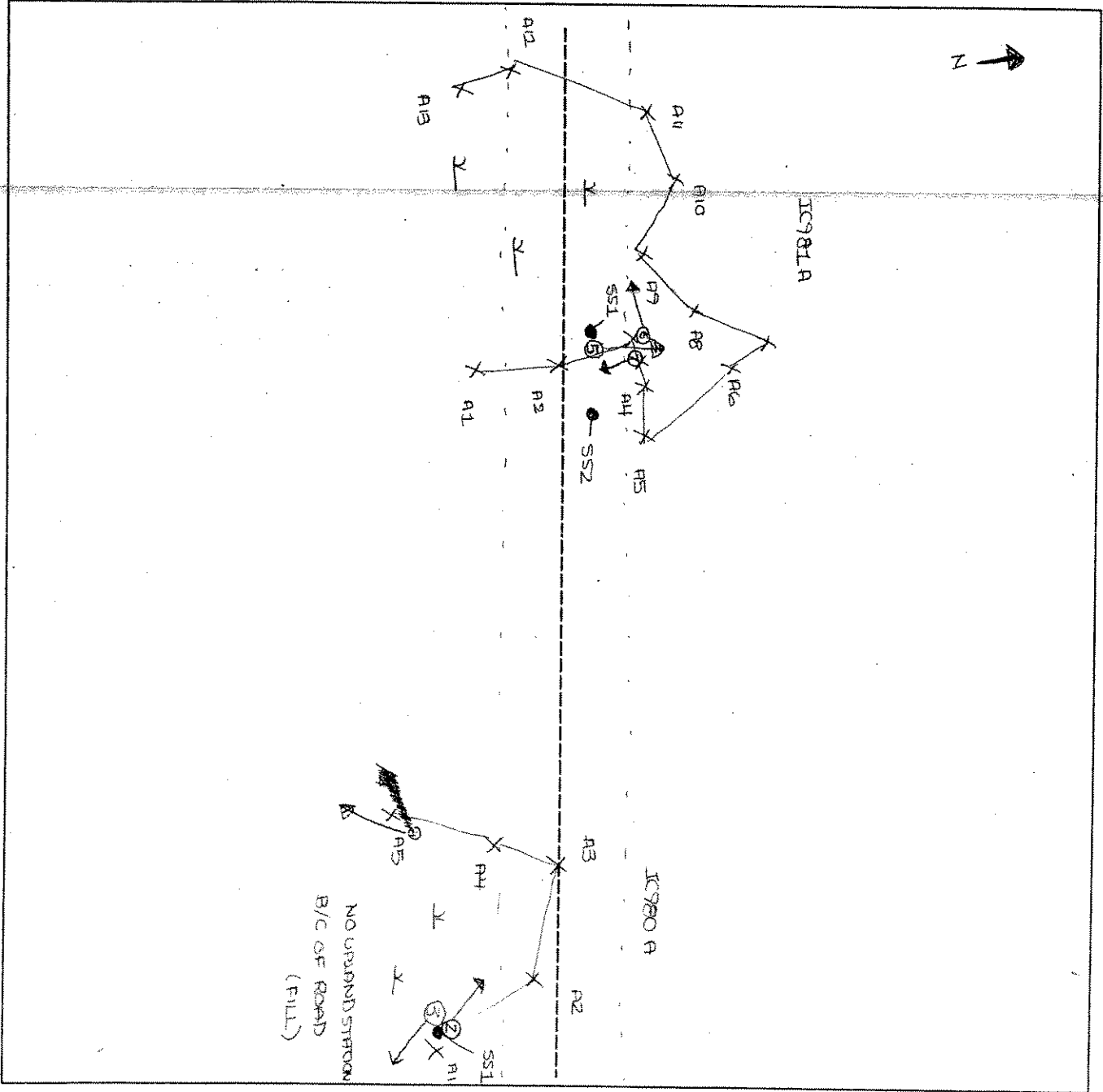
WETLAND DETERMINATION

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

Remarks photo 4 (P08150004)
 =S

SKETCH FORM

Wetland ID/Route #: IC980 / IC981	Date: 8/15/06	Time:
Initials of Delineators: SM / JV / SC	Location: MARBLE RIVER	
Roll #: ②-NW ③-SE ④-SW	Frames: PHOTO ⑤-NNE ⑥-W ⑦-S	



Legend

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM/JV	Date: 8/4/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: C-980 A/B SSI

VEGETATION

Plant Community Classification: PFO4 / PEM					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9.		
2. Betula pennsylvanica	T	FAC	10.		
3. Abies balsamiae	S	FAC	11.		
4. Carex stricta	H	OBL	12.		
5. Carex			13.		
6. Onoclea sensibilis	H	OBL	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 6/6 100%					
Remarks: #4 3-awn carex ? name?					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC <input type="checkbox"/> No Recorded Data Available	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 type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> 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.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 8/4/06
 Community ID:
 Plot ID: 1C-980 A/B-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4 4-14	A B				Peat silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refusal @ 14" ; Bedrock					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	No	
Remarks			
Photo	13	to	S; SS1 (P8040013)
	12	to	N (wetland @ A line) (P8040012)
	14	JPL	SS2 (P8040014)

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SM/JV</u>	Date: <u>8/4/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>IC-980 A/B-552</u>

VEGETATION

Plant Community Classification: <u>Beech Maple Forest</u>					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>40</u> Herb: <u>30</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer saccharum</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Viburnum lantanoides</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Abies balsamea</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Maianthemum canadense</u>	<u>H</u>	<u>FAC-</u>	13.		
6. <u>Isotria sp.</u>	<u>H</u>	<u>FACU</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/6 = 66%</u>					
Remarks: <u>also Tsuga canadensis - FACU</u> <u>and Athyrium filix-femina (Lady Fern)</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <u>DEC + TOPD</u> <input type="checkbox"/> No Recorded Data Available	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 Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>—</u> Depth to Free Standing Water in Pit (in.): <u>—</u> Depth to Saturated Soil (in.): <u>> 14"</u>	
Remarks: <u>Soils are very dry, crumble apart</u>	

Date: 8/4/06
 Community ID:
 Plot ID: 1C-980-A/B-SS2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1	—	—	Sandy silt loam
4-	B	10YR 3/6			Bandy silt loam

Hydro Soil Indicators

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

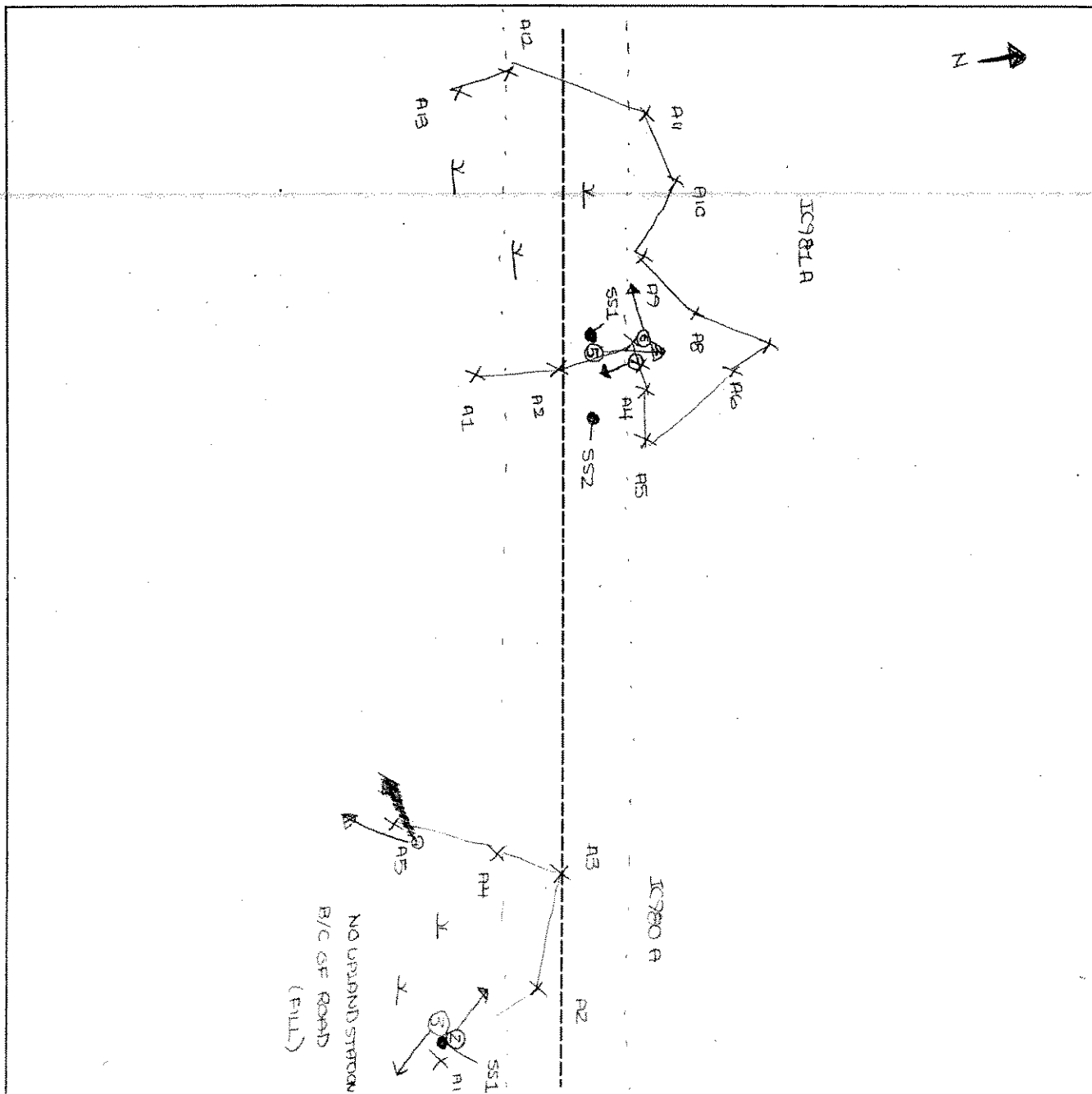
WETLAND DETERMINATION

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

Remarks
 Photo 14 to N (P 8040014) VPL SS2

SKETCH FORM

Wetland ID/Route #: IC980 / IC981	Date: 8/15/06	Time:
Initials of Delineators: SM / JV / SC	Location: MARBLE RIVER	
Roll #: ②-NW ③-SE ④-SW	Frames: PHOTO ⑤-NNE ⑥-W ⑦-S	



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

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

IC980A extension

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/10/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO Transect ID: Plot ID: AR 530 AB SSI IC980A AR527A

VEGETATION

Plant Community Classification: Red maple mesic Percent Canopy Cover: Tree: 80 Shrub: 40 Herb: 65 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ulmus rubrum</i>	T	FAC	9.		
2. <i>Gray birch</i>	T	FAC	10.		
3. <i>A. rubrum</i>	S	FAC	11.		
4. <i>Viburnum lentago</i>	S	FAC	12.		
5. <i>Sphagnum moss 75%</i>	VI	OBL	13.		
6. <i>Mnium Canadense</i>	VI	FAC	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

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

Date: 5/10/07
 Community ID: Wetland SSI
 Plot ID: AR530 AB SSI
 10980A
 AR507A

SOILS

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

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	7.5YR 2.5/2			
4-8	A	4.5YR 4/1			clay
8-A	B	10YR 6/1			loamy sand

Hydro Soil Indicators

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

Remarks: saturated @ 0", water in pit @ 4"

WETLAND DETERMINATION

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

Remarks: photo 4 = N
 DEC WL
 photo 6 = NW

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/10/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>AR530 AR552</u> Transect ID: <u>1C900A</u> EXT Plot ID: <u>Upland AR507A</u>

VEGETATION

Plant Community Classification: <u>early successional</u>					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>40</u> Herb: <u>70</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Populus grandidentata</u>	<u>T</u>	<u>FACU</u>	9.		
2. <u>C Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>B. populifolia</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Viburnum dentatum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Vaccinium low bush</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>pteridium aquilinum</u>	<u>H</u>	<u>FACU</u>	14.		
7. <u>Maianthemum canadensis</u>	<u>H</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>750' / -</u>					
Remarks: <u>Area has been logged of mature stand</u>					

HYDROLOGY

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

Date: 5/10/07
 Community ID: upland ss 2
 Plot ID: AR 530 AB SS2
 IC 980A

SOILS

Map Unit Name (Series and Phase): _____ Drainage Class: AR 537A
 Taxonomy (SubGroup): _____ Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-3	O	7.5YR 2.5/2			
3-12	A	10YR 2/1	7.5YR 6/2	many, prom., sparse	loamy sand

Hydro Soil Indicators

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

Remarks:

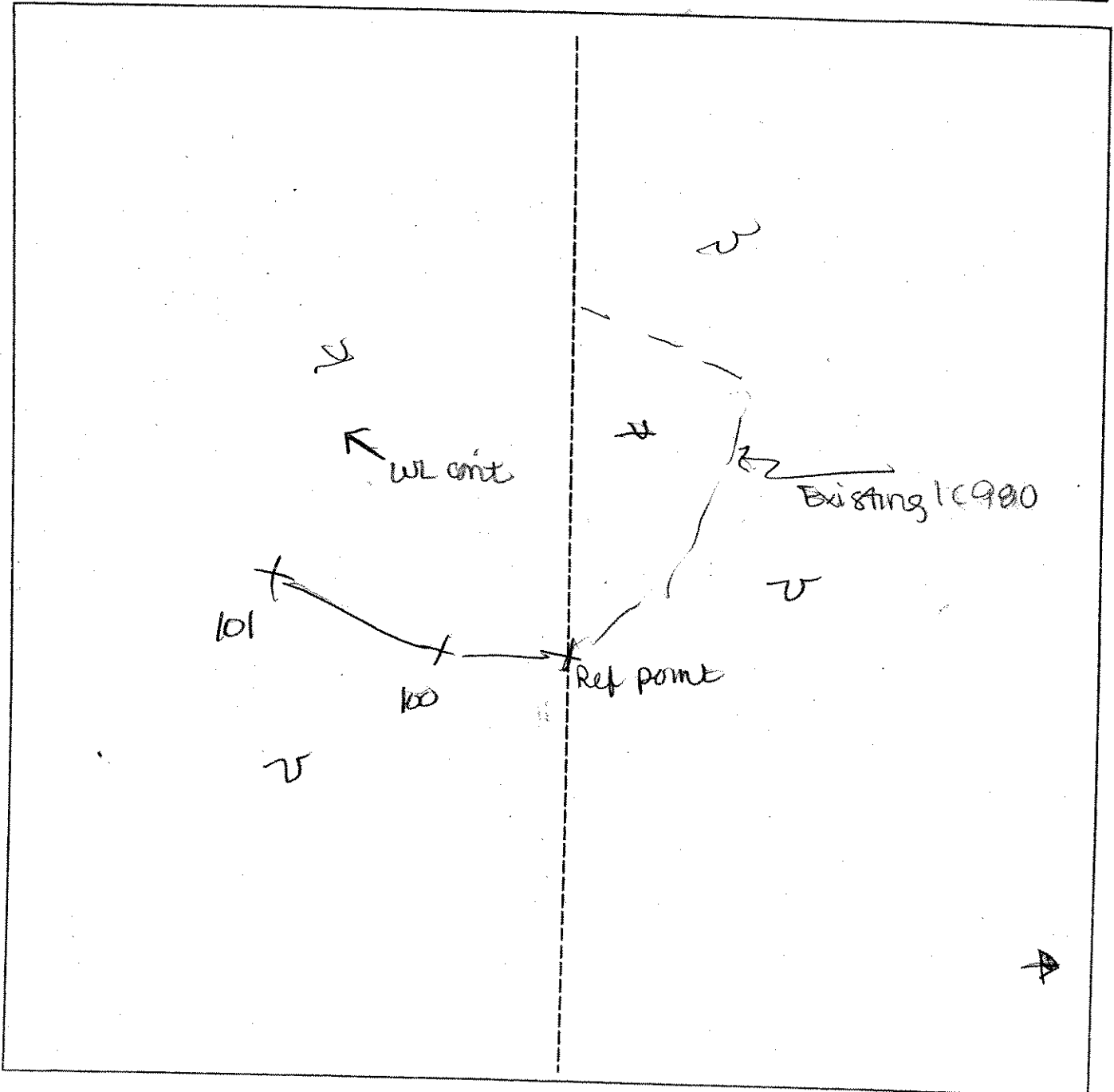
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: 109805 A EXT	Date: 5/10/07	Time:
Initials of Delineators: JV AP	Location: T. 130	
Roll #: Frames:		



<u>Legend</u>	
<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)**

LIVE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/6/07</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Yes	<input checked="" type="radio"/> No	Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Yes	<input checked="" type="radio"/> No						
Community ID: <u>PEM</u> Transect ID: Plot ID: <u>1C980AB-SSI</u>							

VEGETATION

Plant Community Classification: <u>Emergent</u>					
Percent Canopy Cover: Tree: <u><5</u> Shrub: <u><5</u> Herb: <u>75</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Abies balsamea</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Hypha lutea</u>	<u>H</u>	<u>OBL</u>	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>10%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>1"</u> Depth to Free Standing Water in Pit (in.): <u>0"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Wetland is located between UBL to NE + SW. Upland areas are sloped toward WL and discharge surface and groundwater.</u>	

Date: 5/6/07
 Community ID:
 Plot ID: 10980 AB
 851

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	O	10YR 2/2			SILT
4-9	A	10YR 2/1			SILT
9-14	B	6.5Y 1 5/10Y			DRY SAND
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: Photo 8 = NE DEC wetland Lots of bird chatter			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>JV AP</u>	Date: <u>5/6/07</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: <u>10980 AB 552</u>

EXT

VEGETATION

Plant Community Classification: <u>Early Successional Woods</u>					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Fagus grandifolia</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Phantherium canadensis</u>	<u>H</u>	<u>FAC -</u>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u><50%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/6/07
 Community ID: UPL
 Plot ID: 10980 AB S52

SOILS

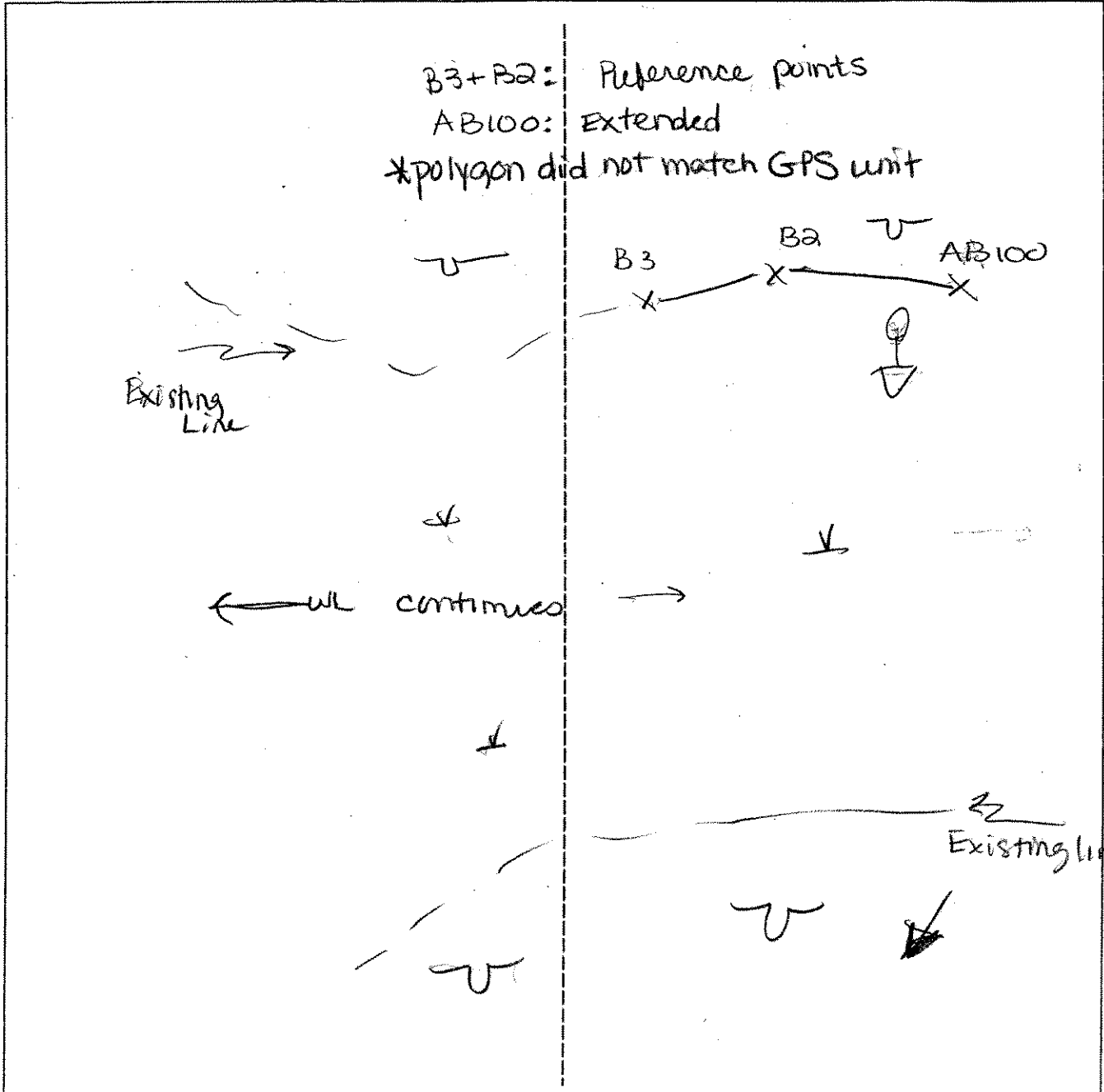
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations/ Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	7.5YR 2.5/3			Organics
2-8	A	10YR 2/1	7.5YR 4/2	Common/med/Distinct	Silty clay
8-12	B	7.5YR 2.5/2			Silty clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: 1C980 AB EXT	Date: 5/6/07	Time:
Initials of Delineators: JV AP	Location:	
Roll #: 8 => NW	Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: SM SC JV	Date: 8-15-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO1 Transect ID: Plot ID: IC981A-SSI

VEGETATION

Plant Community Classification: PFO1					
Percent Canopy Cover:		Tree: 60	Shrub: 20	Herb: 80	Vine: 0
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Yellow Birch	T	FAC	9.		
2. Red Maple	T	FAC	10.		
3. Red Maple	S	FAC	11.		
→ 4. Spinulose Woodfern	H	FAC+	12.		
5. Hayscented Fern	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100 %					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other TOPO / DEL <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): N/A Depth to Free Standing Water in Pit (in.): 1" Depth to Saturated Soil (in.): 0	
Remarks: Wetland includes areas of inundation and observed free standing water 3/20 up to 4" + within a possible man-made snowmobile trail.	

Date: 8-15-06
 Community ID: PFO1
 Plot ID: IC981A-SSI

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	O-A	10YR 3/1	-	-	fine sandy silt horn

Hydro Soil Indicators

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

Remarks: Refusal at 6". Shallow organic soils atop bedrock throughout area. Organics include peat w/ roots.

WETLAND DETERMINATION

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

Remarks: Photo points 50005, 50006 SW W

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>SM SC JV</u>	Date: <u>8-15-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>upland</u> Transect ID: Plot ID: <u>IC981A-SS2</u>

VEGETATION

Plant Community Classification:						
Percent Canopy Cover: Tree: Shrub: Herb: Vine:						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <i>Fagus grandifolia</i>	T	FACU	9.			
2. <i>Acer saccharum</i>	T	FACU	10.			
3. <i>F. grandifolia</i>	S	FACU	11.			
4. <i>Dennstaedia</i> sp.	H	NI	12.			
5. <i>Pteridium aquilinum</i>	H	FACU	13.			
6.			14.			
7.			15.			
8.			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/5 or better</u>						
Remarks: <u>#4 - hay-scented fern</u>						

HYDROLOGY

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

Date: 8/15/06
 Community ID:
 Plot ID: 1C981A 552

SOILS

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

Profile Description: *Forested Upland*

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	D				Duff, decaying plant
2-6	A	10YR 4/2	10YR 3/3	Common, Med, prominent	fine sandy silt loam

Hydro Soil Indicators

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

Remarks: *Refusal @ 6"*

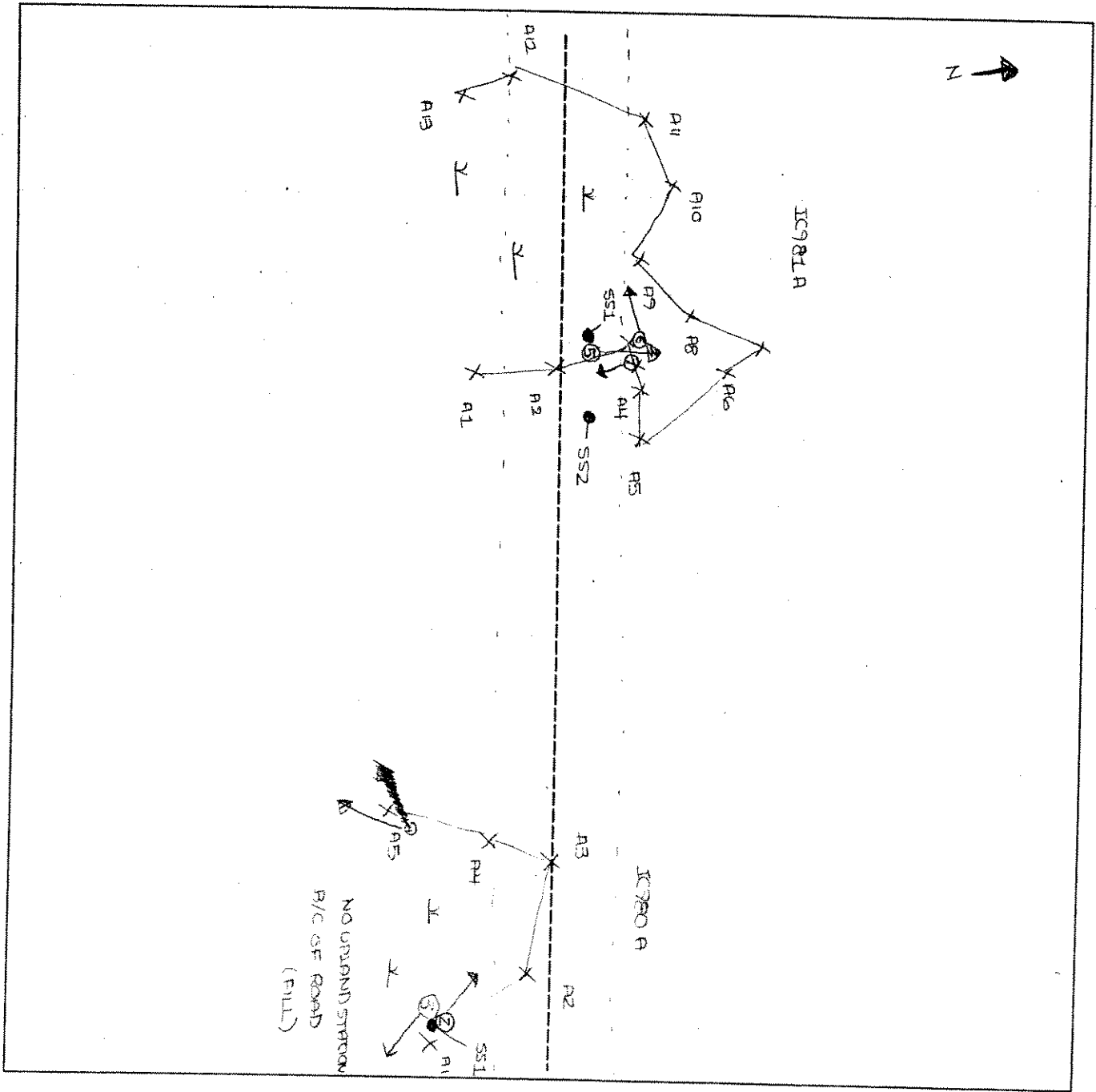
WETLAND DETERMINATION

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

Remarks *Plant composition changes from Fagus / A. saccharum to A. rubrum; more ferns w/ vigorous growth in wet versus drier, more upland ferns in upland.*
Photo P08150009 to S

SKETCH FORM

Wetland ID/Route #: IC980 / IC981	Date: 8/15/06
Initials of Delineators: SM / JV / SC	Location: MARBLE RIVER
Roll #: Frames: PHOTO ⑤ - NNE ⑥ - W ⑦ - S ② - NW ③ - SE ④ - SW	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 8/15/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: IC983A-SS1

VEGETATION

Plant Community Classification: PFD1 / <u>P2EM</u>					
Percent Canopy Cover: Tree: 60 Shrub: 15 Herb: 90 Vine: —					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Acer rubrum	T	FAC	9. Sphagnum	H	RBL
2. Betula populifolia	S	FAC			
3. Viburnum lentago	S	FAC			
4. P. saccharum	S	FACU			
5. Unknown grass	H	-			
6. V. lentago	H	FAC			
7. Vaccinium (sp.)	H				
8. Cornus canadensis	H	FAC-			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: #5 Common in wetlands #9 More than 20% abundant P2EM beyond 30' mixed w/ grass, open. P2O					

HYDROLOGY

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs <input checked="" type="checkbox"/> Other TSP & DEC ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated ___ Water Marks ___ Drift lines ___ Sediment Deposits ___ Drainage Patterns In Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 inches ___ Water-Stained Leaves ___ Local Soil survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): — Depth to Free Standing Water in Pit (in.): 0" Depth to Saturated Soil (in.): 0"	
Remarks: Standing water in low spots (Photo P08150D10 to N)	

Date: 8/15/06
 Community ID:
 Plot ID: 1C 983A - SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	D				Peat
3-6	A	10YR5/1	-		Coarse sandy loam
6-9	B	2.5Y 5/3	-		Coarse sandy loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands 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: JV/SM	Date: 8/15/04 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID: VC983A-SS2

VEGETATION

Plant Community Classification: Poplar-Maple Woods					
Percent Canopy Cover: Tree: 70 Shrub: 40 Herb: 65 Vine: -					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Populus grandidentata	T	FACU-	9.		
2. Acer rubrum	T	FAC	10.		
3. P. grandidentata	S	FACU-	11.		
4. A. rubrum	S	FAC	12.		
5. Viburnum lantago	S	FAC	13.		
6. a. rubrum	H	FAC	14.		
7. Pteridium aquilinum	H	FACU	15.		
8. Maianthemum canadensis	H	FAC-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 4/8 = 50%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other DEC + TOPO <input type="checkbox"/> No Recorded Data Available	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.): > 14"	
Remarks: Soils dry barely hold together at near ~ 14" (photo SS2 - P08150011 to S)	

8/15/06
 Date: IC 983 A SS 2
 Community ID:
 Plot ID:

SOILS

Map Unit Name (Series and Phase): Taxonomy (SubGroup):	Drainage Class: Field Observations Confirm Mapped Type? Yes No
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Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	D	10R 3/6			Decayed plant matter
4-7	E	10YR 6/2	-		
7-14	B	10YR 3/2	-		

Hydro Soil Indicators

- | | |
|---|--|
| <input type="checkbox"/> Histosol
<input type="checkbox"/> Histic Epipedon
<input type="checkbox"/> Sulfidic Odor
<input type="checkbox"/> Aquic Moisture Regime
<input type="checkbox"/> Reducing Conditions
<input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Concretions
<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="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 @ 11"*

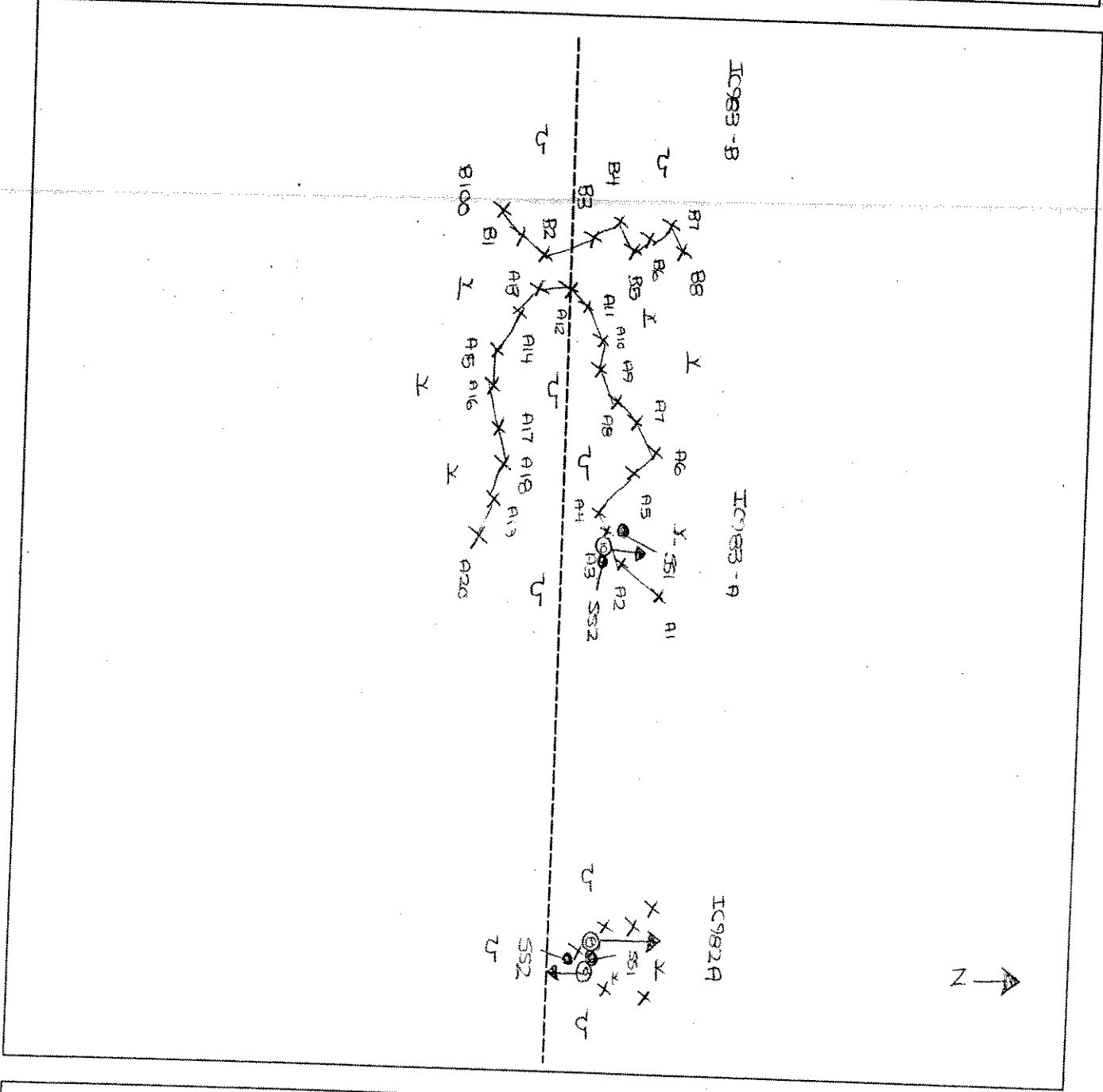
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC982A / IC983A+B	Date: 8/15/06	Time:
Initials of Delineators: SM / JV / SC	Location: MARBLE RIVER	
Roll #: Frames:		
PHOTOS (8) FACING NORTH (9) FACING SOUTH (10) FACING NORTH		











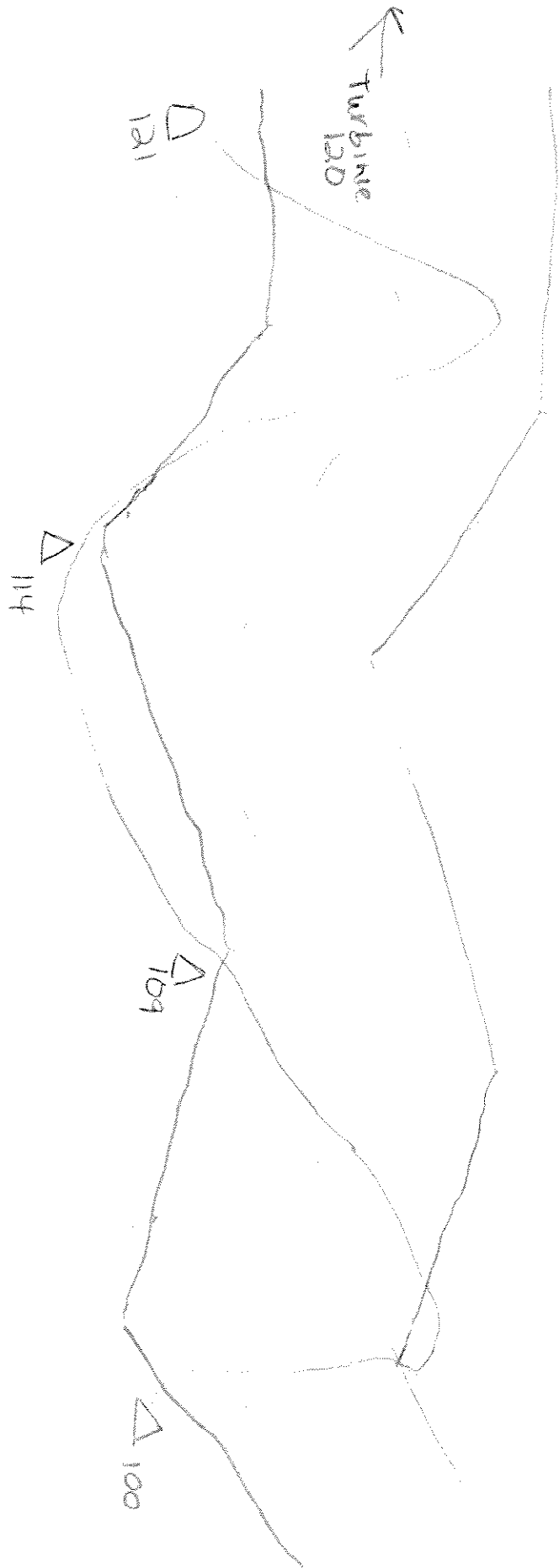
<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

SKETCH FORM

Wetland ID/Route #: <i>IC983B extended</i>	Date: <i>8.16.06</i>	Time:
Initials of Delineators: <i>SM SC JV</i>	Location: <i>IC to turbine 120</i>	
Roll #:	Frames:	

	<p><i>Refer to sketch IC983B dated 8.16.06 for complete line.</i></p> <p><u><i>SEE BACK</i></u></p>
--	---

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



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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJD SC</i>	Date: <i>7/12/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>WETLAND</i> Transect ID: <i>IC1005A</i> Plot ID: <i>551</i>							

VEGETATION *PFO*

Plant Community Classification:
Percent Canopy Cover: Tree: *70%* Shrub: *5%* Herb: *60%* Vine: *Ø*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED MAPLE</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>GRAY BIRCH</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>YELLOW BIRCH</i>	<i>T</i>	<i>FAC</i>	11.		
4. <i>CORYX intumescens</i>	<i>H</i>	<i>FACW+</i>	12.		
5. <i>J. EFFUSUS</i>	<i>H</i>	<i>FACW+</i>	13.		
6. <i>WASSER PEARL</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Club moss</i>	<i>H</i>	<i>FAC</i>	15.		
8			16.		

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

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>Ø"</i>	
Remarks: <i>Barberry</i> <i>Photo 1 => NE for IC1005A-5</i>	

Date: 7/12/06
 Community ID: WETLANDS
 Plot ID: IC1005A-551

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR2/1	-	-	Silty CLAY / 10AN
12-18	B	10YR2.5/3	10YR2.4/6	Few / med / faint	SANDY CLAY / 10AN

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>R.D. Sc</i>	Date: <i>7/12/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <i>Yes</i> Is the site significantly disturbed (Atypical Situation)? <i>Yes</i> Is the area a potential Problem Area? <i>Yes</i> (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: <i>IC1005A</i> Plot ID: <i>552</i>

VEGETATION *upland decid forest*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>85%</i> Shrub: <i>10%</i> Herb: <i>65%</i> Vine: <i>0</i>			
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>T/K/H</i>	<i>FAC</i>	9.		
2. <i>American beech</i>	<i>S</i>	<i>FACU</i>	10.		
3. <i>Striped maple</i>	<i>S</i>	<i>FACU</i>	11.		
4. <i>White Birch</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>Black Birch</i>	<i>H</i>	<i>FACU</i>	13.		
6. <i>White Birch</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Canada Lily</i>	<i>H</i>	<i>FAC</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 7/12/06
 Community ID: Upland
 Plot ID: IC1005A-SS2

SOILS

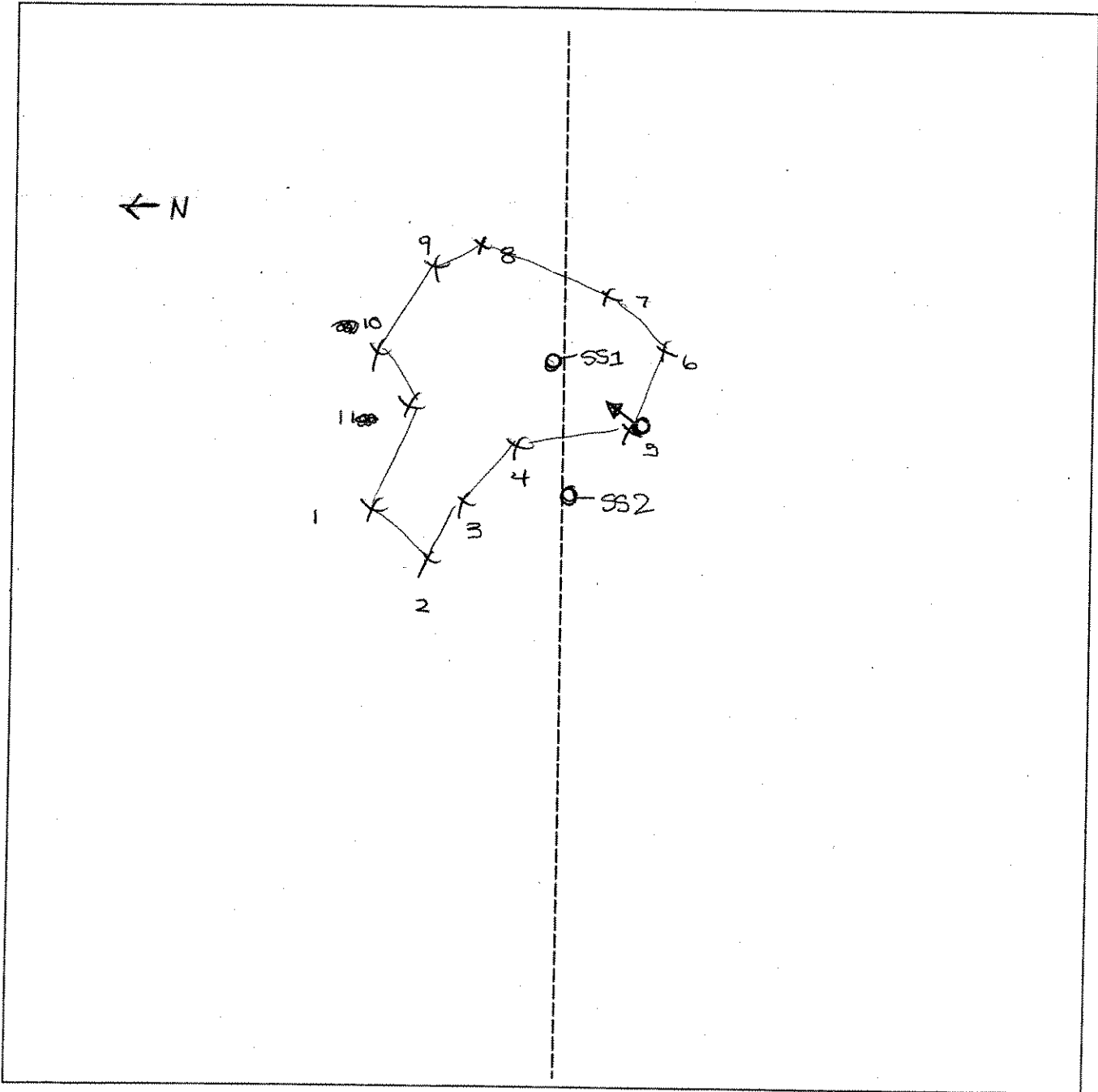
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: ICI005A	Date: 7/12/2006 Time:
Intials of Delineators:	Location: MARBLE RIVER
Roll #:	Frames: PHOTO 1 FACING NORTHEAST EAST AT POINT 5



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RA, SE</i>	Date: <i>7/12/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td><input checked="" type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input checked="" type="radio"/> No</td> </tr> <tr> <td><input type="radio"/> Yes</td> <td><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>WERAD</i> Transect ID: <i>IC1006A-551</i> Plot ID:							

VEGETATION *Pearl / 1250*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>40%</i>	Shrub: <i>20%</i>	Herb: <i>100%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Corn FRD</i>	<i>H</i>	<i>FACU</i>	9. <i>Service berry</i>	<i>S</i>	<i>FAC</i>
2. <i>Sensitive fern</i>	<i>H</i>	<i>FACW</i>	10. <i>meadow grass</i>	<i>S</i>	<i>FAC+</i>
3. <i>Blue weed</i>	<i>H</i>	<i>FACW</i>	11. <i>bin Ash</i>	<i>T</i>	<i>FACW</i>
4. <i>Rough SNAK GRASS</i>	<i>H</i>	<i>OBL</i>	12.		
5. <i>Carex intumescens</i>	<i>H</i>	<i>FACW+</i>	13.		
6. <i>Carex scariosa</i>	<i>H</i>	<i>FACW</i>	14.		
7. <i>Box elder</i>	<i>S</i>		15.		
8. <i>Box elder</i>	<i>T</i>	<i>FACW-</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <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>n/a</i> Depth to Free Standing Water in Pit (in.): <i>n/a</i> Depth to Saturated Soil (in.): <i>0"</i>	
Remarks: <i>Hydro for Sat</i> <i>noted on bank but "washed" out Area</i> <i>upto 3' wide</i>	

*Photo 2 -> N for Sat of IC1006A-3,
 Photo 3 -> S AT IC1006A AT IC1006A-5T*

Date: 7/12/06
 Community ID: WETLANDS
 Plot ID: JC1006A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth (Inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
0-18	A	10.5R2/1	—	—	Silty clay loam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RD SE</i>	Date: <i>7/12/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; text-align: center;"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLAND</i> Transect ID: <i>2C 1006A</i> Plot ID: <i>552</i>							

VEGETATION *UPLAND* *Acid Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>85</i> Shrub: <i>30%</i> Herb: <i>15%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Sugar maple</i>	<i>T/S/H</i>	<i>FACU-</i>	<i>9.</i>		
<i>2. Ash</i>	<i>S/H</i>	<i>FACU</i>	<i>10.</i>		
<i>3. Blackberry</i>	<i>H</i>		<i>11.</i>		
<i>4. Woodcherry</i>	<i>H</i>	<i>FAC</i>	<i>12.</i>		
<i>5. Spiceberry</i>	<i>S</i>	<i>FAC</i>	<i>13.</i>		
<i>6. Canada Lily</i>	<i>H</i>	<i>FACU-</i>	<i>14.</i>		
<i>7.</i>			<i>15.</i>		
<i>8.</i>			<i>16.</i>		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 7/12/06
 Community ID: upland
 Plot ID: J1006A-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	10YR2/1	—	—	Silt loam clay

Hydro Soil Indicators

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

Remarks:
 Presence of Arge at 6"
 Very rocky

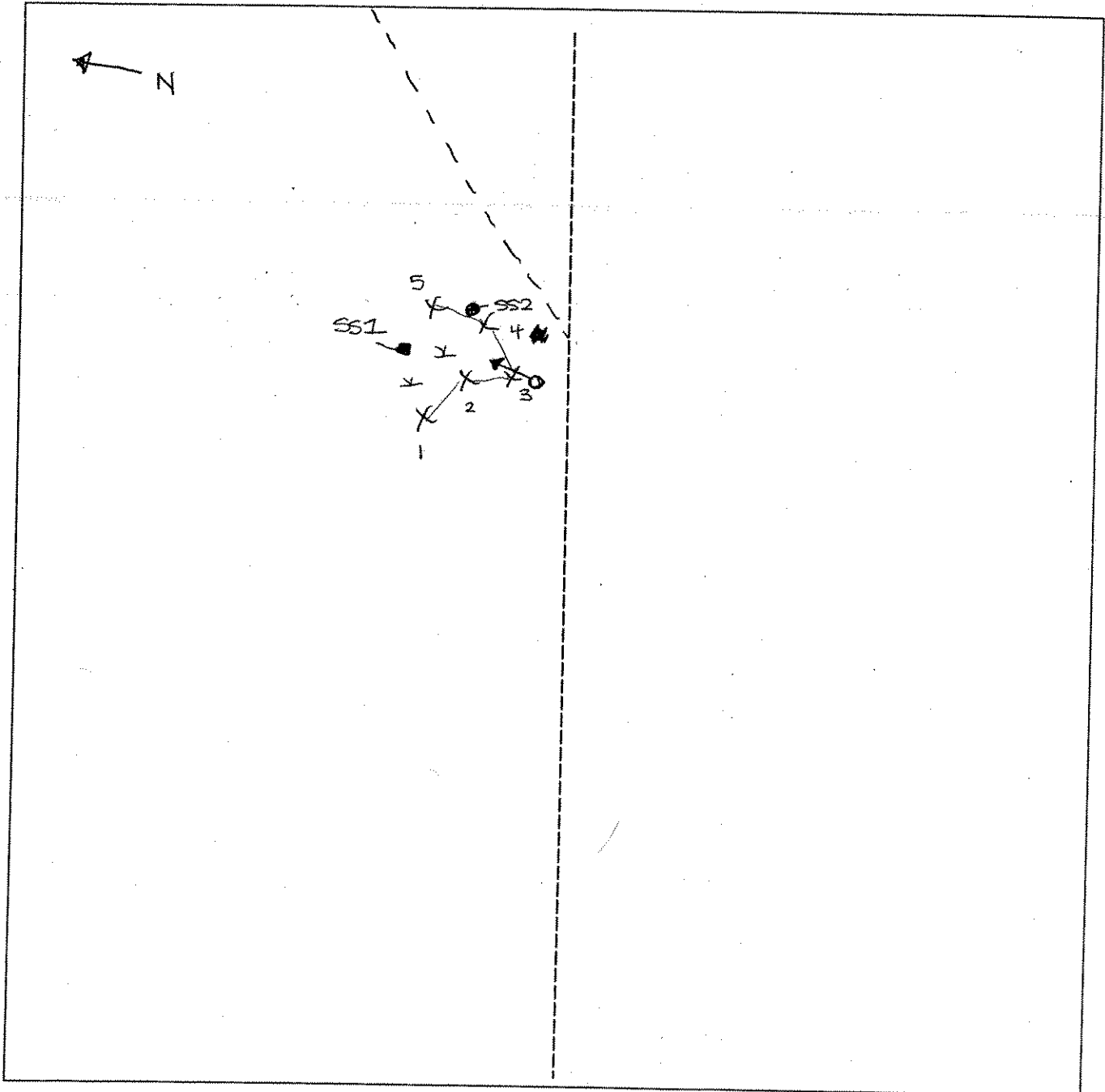
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC1006A	Date: 7/12/2006 Time:
Initials of Delineators: RD / SC	Location: HARDLERIVER
Roll #:	Frames: PHOTO 2 FACING N 3

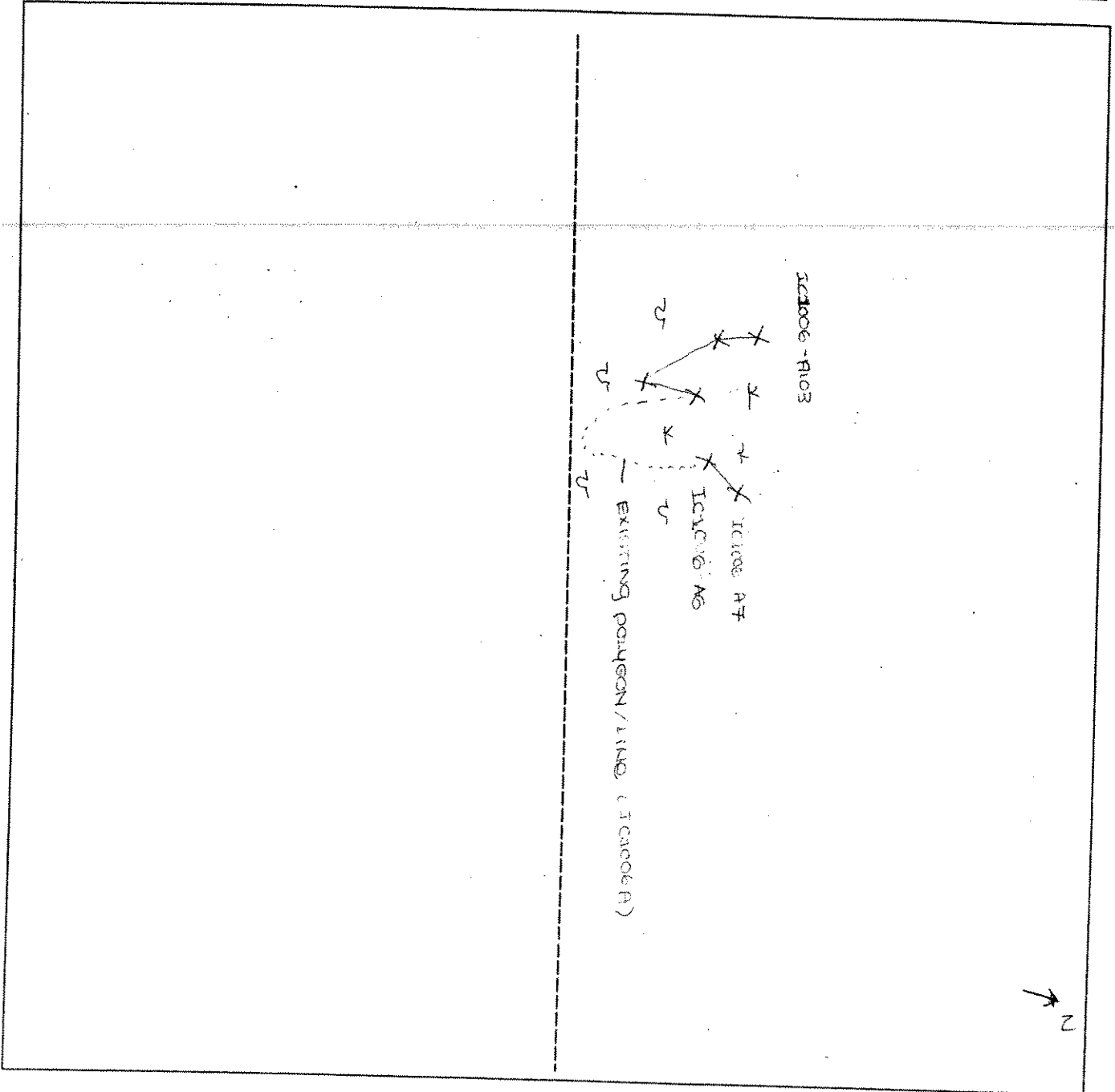


<u>Legend</u>	
Photo Location/Direction	Wetland
Sample Station	Upland
Centerline	Stream
Flag	Intermittent Stream

Line extension

SKETCH FORM

Wetland ID/Route #: IC1006A (LINE EXTENSION)	Date: 8/18/00	Time:
Intials of Delineators: JY / SM / SC	Location: MARBLE RIVER	
Roll #:	Frames:	



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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV RD	Date: 5/2/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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: 101006-A 551

VEGETATION

Plant Community Classification: <u>Deciduous</u> Percent Canopy Cover: Tree: <u>60</u> Shrub: <u>40</u> Herb: <u>15</u> Vine: <u>X</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>A. rubrum</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Fraxinifolium SP</u>	<u>M</u>	<u>-</u>	13.		
6. <u>Festuca moss</u>	<u>M</u>	<u>-</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated in Spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>~.5" in spots</u> Depth to Free Standing Water in Pit (in.): <u>1.5"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Buttress trees</u>	

Date: 5/2/07
 Community ID: PFD1
 Plot ID: 101000 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.
D-14	A	10YR 2/1			Clay lam
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Remarks: photo ² => W at flag A100			

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/2/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No
Community ID: UPL Transect ID: Plot ID: 1C1006 A-552	

VEGETATION

EXT

Plant Community Classification: <u>Early Successional</u>					
Percent Canopy Cover: Tree: <u>50</u> Shrub: <u>30</u> Herb: <u>15</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fagus sylvatica</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>Prunus serotina</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Tamulus</u>	<u>H</u>	<u>FAC</u>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>56%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/2/07
 Community ID:
 Plot ID: 1000A-552

SOILS

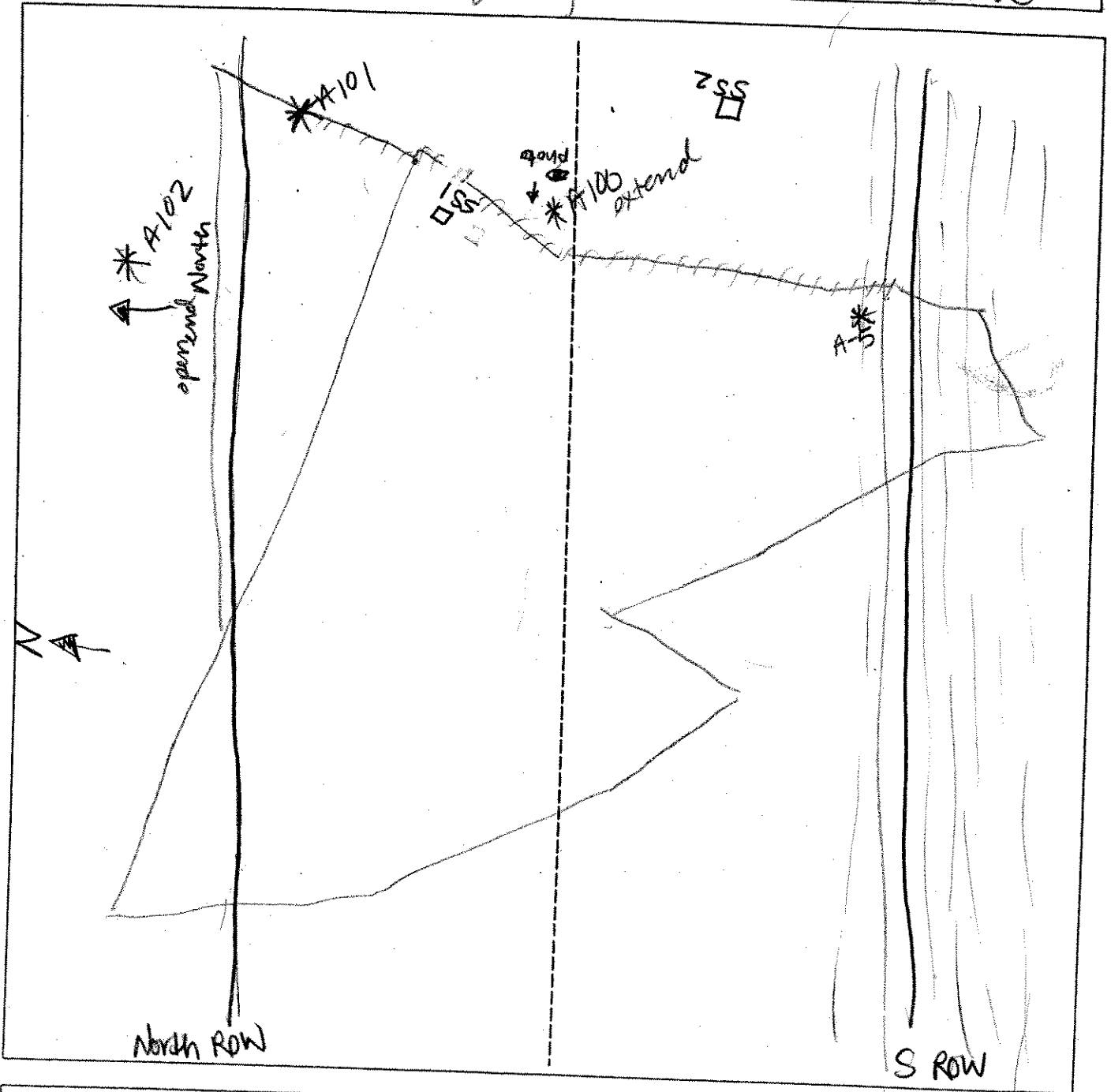
Map Unit Name (Series and Phase): Taxonomy (SubGroup):		Drainage Class: Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: 1C1006A EXT		Date: 2 May 07	Time:
Initials of Delineators: JV AP		Location: 1C1006A	
Roll #:	Frames: photo 2 - facing West toward A100 Extend		



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>TRD, SC</i>	Date: <i>7/12/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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>IC1007A</i> <i>SSI</i>

VEGETATION *PFO WETLAND*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>85%</i>	Shrub: <i>15%</i>	Herb: <i>10%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple</i>	<i>T/S</i>	<i>FAC</i>	9.		
2. <i>Gray Birch</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>Sugar maple</i>	<i>T</i>	<i>FACU-</i>	11.		
4. <i>American Elm</i>	<i>T</i>	<i>FACW-</i>	12.		
5. <i>Red Ash</i>	<i>T/S</i>	<i>FACW</i>	13.		
6. <i>White Birch</i>	<i>H</i>	<i>FAC</i>	14.		
7. <i>Sensitive Fern</i>	<i>H</i>	<i>FACW</i>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 7/12/06
 Community ID: WETLANDS
 Plot ID: IC1007A-SS1

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 2/1	—	—	Silt loam w/organics
6-12	B	10YR 5/3	10YR 3/6	(brown/mottled) / d/s	Sandy Clay w/iron

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>R.D. SC</i>	Date: <i>7/12/86</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Upland</i> Transect ID: <i>IC1057A</i> Plot ID: <i>552</i>							

VEGETATION *Upland Decid Forest*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>90%</i> Shrub: <i>10%</i> Herb: <i>10%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Sugar maple</i>	<i>T/S/H</i>	<i>FACU-</i>	9.		
2. <i>GRAY BIRCH</i>	<i>T</i>	<i>FAC</i>	10.		
3. <i>WASPERN</i>	<i>H</i>	<i>FAC</i>	11.		
4. <i>Club moss</i>	<i>H</i>	<i>FAC</i>	12.		
5. <i>White Wood Aster</i>	<i>H</i>	<i>UOL*</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 7/12/06
 Community ID: UPLAND
 Plot ID: JC1007A-SS2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 3/2	—	—	Silt loam
10-18	B	10YR 3/3	→ 4/3	—	Silty clay loam

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

Remarks:

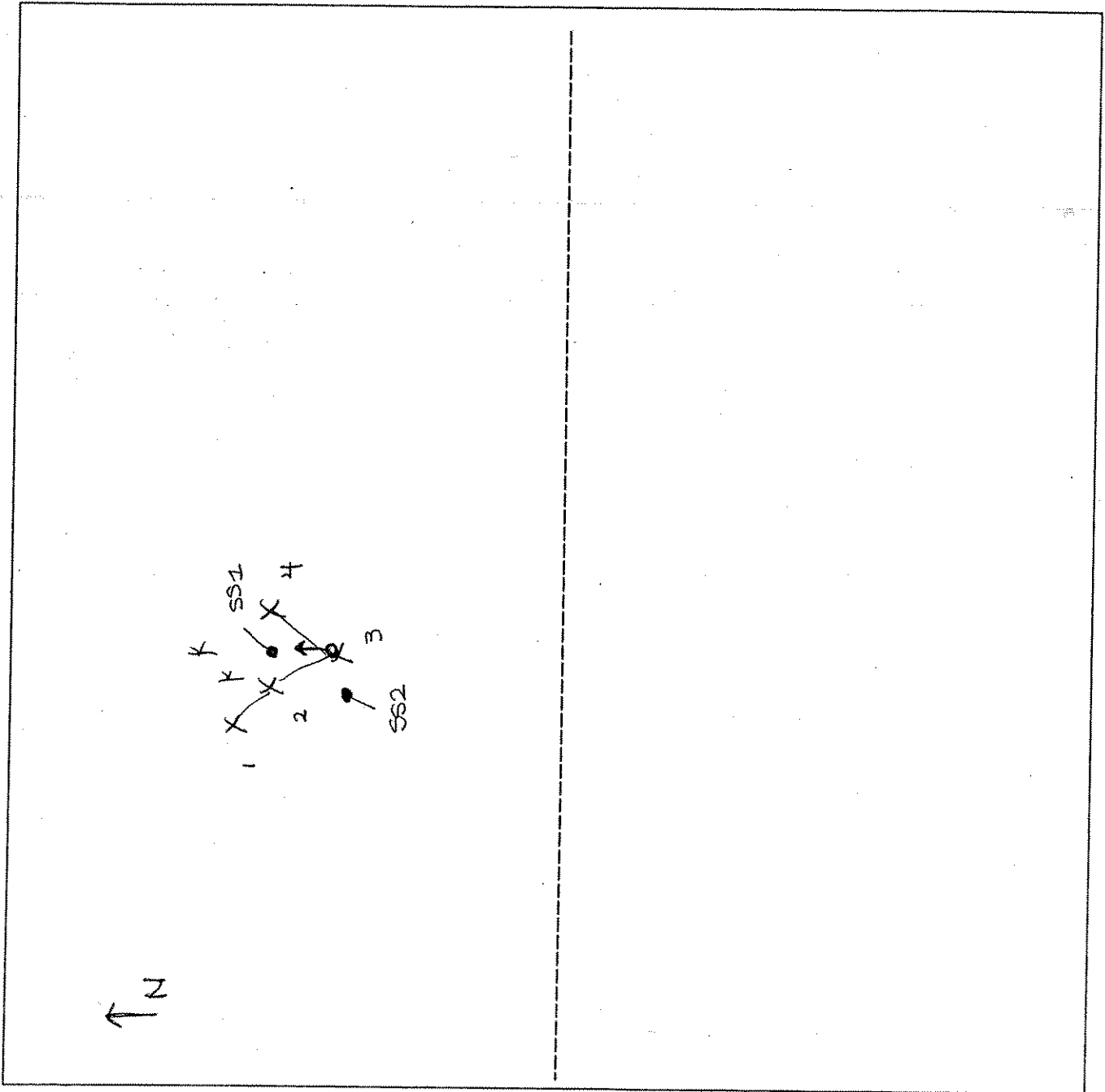
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC1007A	Date: 7/12/06	Time:
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #: Frames: PHOTO 5 FACING N		



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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>IV AP</u>	Date: <u>5/3/07</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>PFO1</u> Transect ID: Plot ID: <u>1C1007-A-SS1</u>

VEGETATION

Plant Community Classification: <u>Red Maple Mesic</u>					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>15</u> Herb: <u>40</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Petula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>B. populifolia</u>	<u>S</u>	<u>FAC</u>	11.		
4. <u>Trout lily</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>mass sp</u>	<u>H</u>	<u>-</u>	13.		
6. <u>Sphagnum mass <50%</u>	<u>H</u>	<u>OBL</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" 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: <u>Butressed trees w/ moss around base photo 1 c</u>	

Date: 5/3/07
 Community ID: PFO1
 Plot ID: 1C1607 A SSI

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-2	A	10YR 2/1			Fine Sandy silt loam
2-12	B	10YR 4/2	7.5YR 4/6	Few/Fine/Distinct	Fine Sandy silt loam

Hydro Soil Indicators

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

Remarks: Refusal c 12"

WETLAND DETERMINATION

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

Remarks: photo 2 => N
 audio of ⁽²⁾ woodpecker to East communicating

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> 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: 1C1007 A-552

VEGETATION

Plant Community Classification: <i>Early Successional</i>					
Percent Canopy Cover: Tree: <i>65</i> Shrub: <i>20</i> Herb: <i>40</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	T	FAC	9.		
2. <i>Betula populifolia</i>	T	FAC	10.		
3. <i>Fagus grandifolia</i>	T	FACU	11.		
4. <i>Betula populifolia</i>	S	FAC	12.		
5. <i>Fagus grandifolia</i>	S	FACU	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i><50%</i>					
Remarks: <i>Hamamelis virginiana</i> FAC- } Observed outside plot <i>Prunus serotina</i> FACU <i>Picea rubens</i> FACU					

HYDROLOGY

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

Date: 5/3/07
 Community ID: UPL
 Plot ID: IC1007 A 552

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-14	A	10YR 2/1			Fine Sandy silt loam

Hydro Soil Indicators

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

Remarks: _____

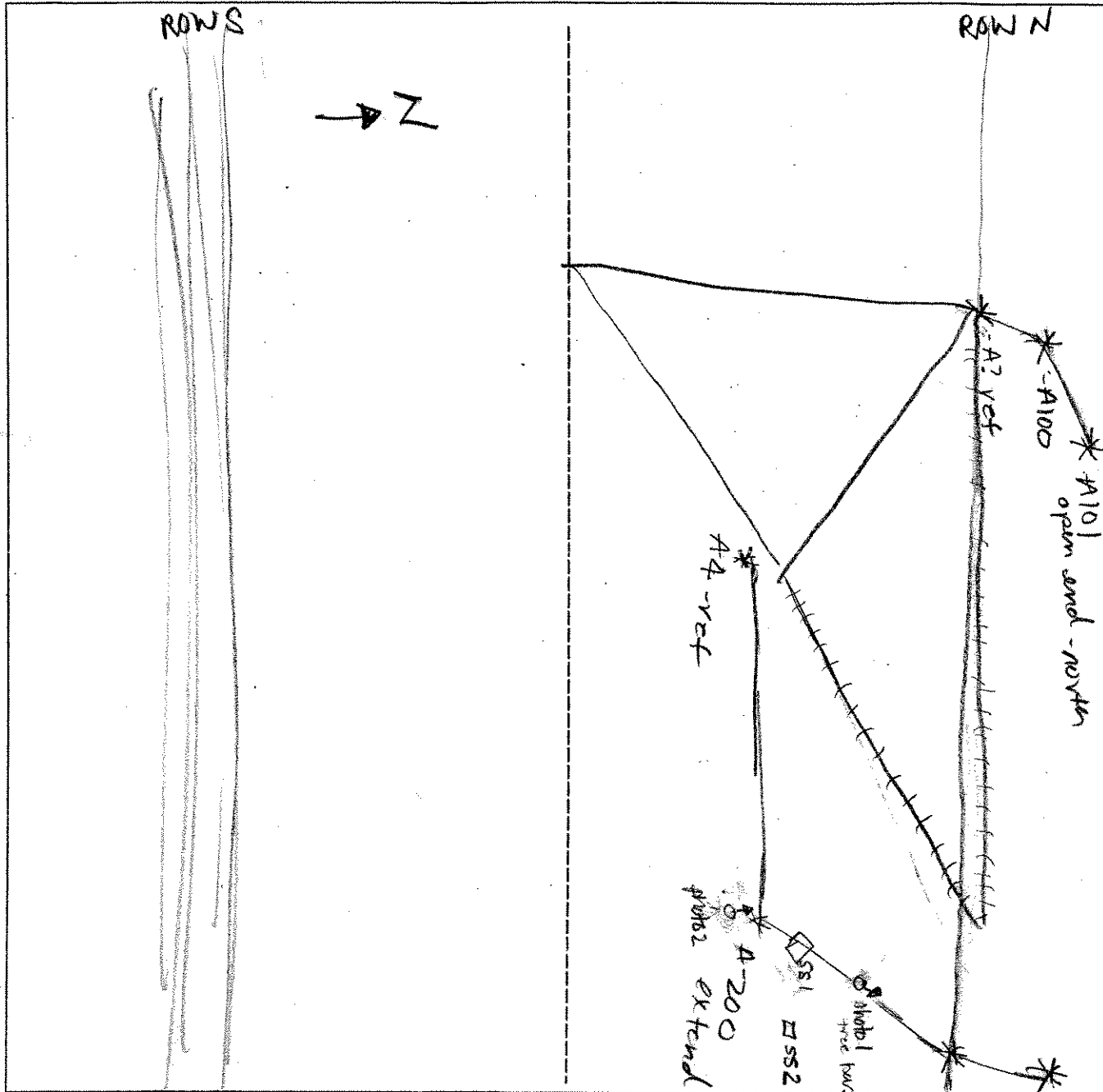
WETLAND DETERMINATION

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

Remarks: 2 woodpecker to East communicating

SKETCH FORM

Wetland ID/Route #: <u>IC1007A EXT</u>	Date: <u>3 May 07</u>	Time:
Initials of Delineators: <u>JN: AP</u>	Location: <u>IC1007A</u>	
Roll #: _____	Frames: <u>photo 1 of tree base, photo 2 by A200 extend facing north</u>	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>TRD SC</u>	Date: <u>7/13/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? <u>Yes</u> No Is the area a potential Problem Area? <u>Yes</u> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: <u>1C1010A</u> Plot ID: <u>Wetland</u>

VEGETATION PFO Decid

Plant Community Classification:
Percent Canopy Cover: Tree: 70% Shrub: 49% Herb: 80% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Red maple</u>	<u>T1S</u>	<u>FAC</u>	9.		
2. <u>Sphagnum moss</u>	<u>H</u>	<u>OBL</u>	10.		
3. <u>Whitell wood Anter</u>	<u>H</u>	<u>UPL*</u>	11.		
4. <u>Gray Birch</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>meadow Sweet</u>	<u>S</u>	<u>FAC</u>	13.		
6. <u>Interpoked fern</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Service berry</u>	<u>S</u>	<u>FAC</u>	15.		
8			16.		

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

Remarks: more poor to Satru

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>14-16"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Hydro blue for S to North</u> <u>Photo 9 SWE at SS1</u>	

Date: 7/13/06
 Community ID: WERAN
 Plot ID: IC1010A-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.
0-2	O	—	—	—	ORGANIC PLANT/SPHM
2-4	A	10YR 2/1	—	—	SiH look w/ORGANICS
4-10	B ₁	10YR 5/2	—	—	Silt, clay → clay
10-B	B ₂	7.5YR 5/1	10YR 5/6	Coarse / mm / Dist	Clay

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input 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
 WETLANDS TERMINATES to NORTH of
 ACCOR RD & continues to south

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJA SC</i>	Date: <i>7/13/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>UPLAND</i> Transect ID: <i>IC1010A</i> Plot ID: <i>SS2</i>							

VEGETATION *UPLAND Deciduous Forest w/ scattered Conifers*

Plant Community Classification: _____
 Percent Canopy Cover: Tree: *85%* Shrub: *20%* Herb: *75%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Amer Beech	<i>T/S</i>	<i>FACU</i>	9.		
2. Red maple	<i>T/S</i>	<i>FAC</i>	10.		
3. Braaker Fern	<i>H</i>	<i>FACU</i>	11.		
4. Woods Fern	<i>H</i>	<i>FAC+</i>	12.		
5. CANADA Yilly	<i>H</i>	<i>FAC-</i>	13.		
6. Club moss	<i>H</i>	<i>FAC</i>	14.		
7.			15.		
8.			16.		

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

Remarks: *SCATTERED Balsam fir T/S*

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 7/13/06
 Community ID: UPLAND
 Plot ID:

IC 1010 A-SSQ

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 3/3	—	—	Silt loam
6-18	B	5YR 4/4	—	—	Silty clay

Hydro Soil Indicators

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

Remarks:

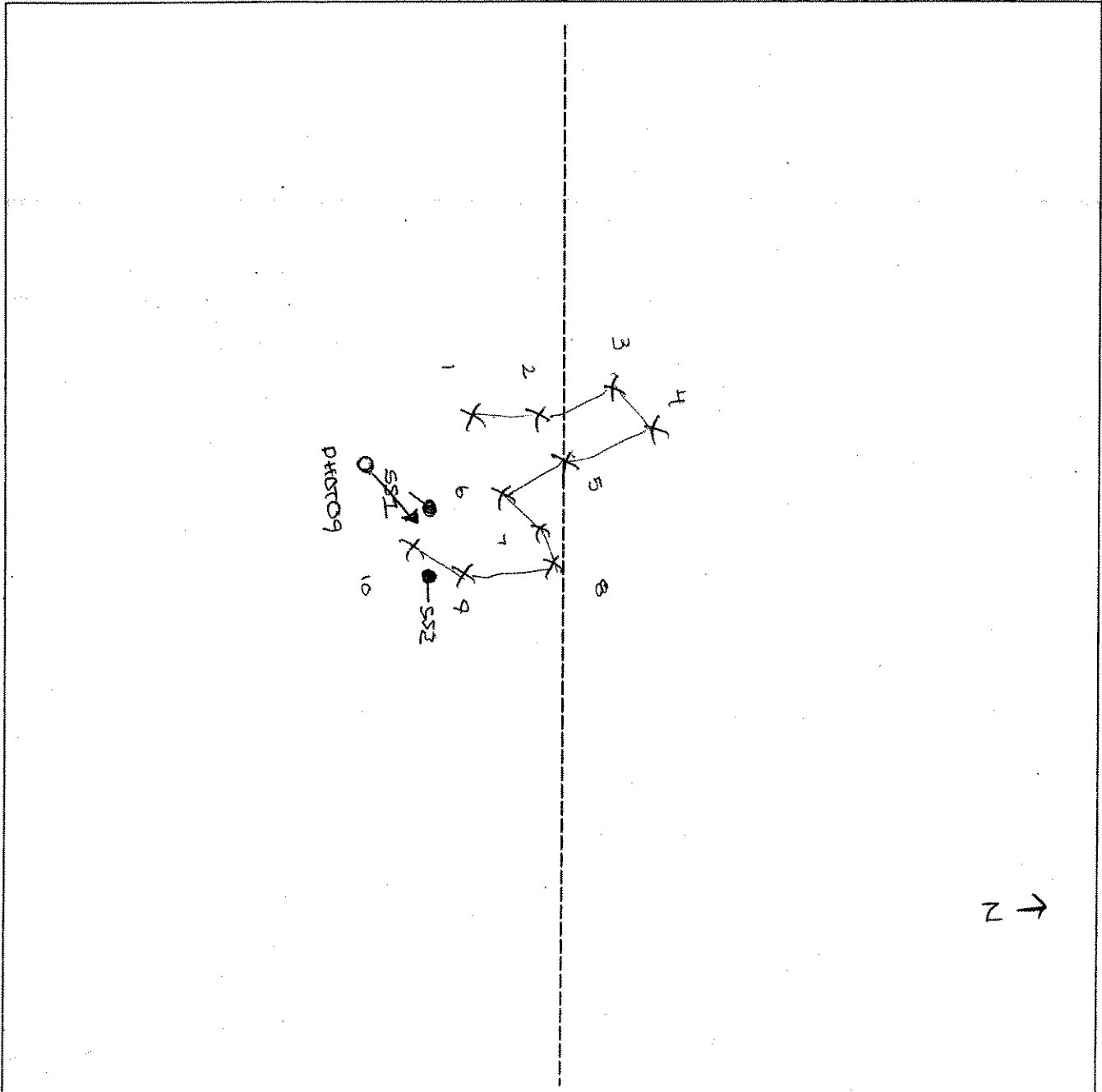
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC1010A	Date: 7/13/06	Time:
Initials of Delineators: RD / SC	Location: HARDY RIVER	
Roll #: Frames: PHOTO 9 FACING NE		



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

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

LINE EXTENSION

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: PFO 1 Transect ID: Plot ID: 1C1010 A SSI

VEGETATION

Plant Community Classification: <i>Red maple mesic</i>					
Percent Canopy Cover: Tree: 70 Shrub: 40 Herb: 85 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. acerubrum</i>	T	FAC	9.		
2. <i>B. populifolia</i>	T	FAC	10.		
3. <i>Viburnum lentago</i>	S	FAC	11.		
4. <i>A. rubrum</i>	S	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated in spots <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): < 1" in spots Depth to Free Standing Water in Pit (in.): 11" Depth to Saturated Soil (in.): 0"	
Remarks:	

Date: 5/3/07
 Community ID: PFO1
 Plot ID: 1C1010 A SSI

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

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

Hydro Soil Indicators

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

Remarks: Refusal 210"

WETLAND DETERMINATION

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

Remarks: Photo 5 => N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: JV AP	Date: 5/3/07 County: Clinton State: NY
Do Normal Circumstances exist on the site? 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: UPL Transect ID: Plot ID: IC1010 A 552

VEGETATION

EXT

Plant Community Classification: <u>Early Successional Forest</u>					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>55</u> Herb: <u>60</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>A. rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Fagus grandifolia</u>	<u>T</u>	<u>FACU</u>	10.		
3. <u>F. grandifolia</u>	<u>S</u>	<u>FACU</u>	11.		
4. <u>Viburnum Luteo</u>	<u>S</u>	<u>FAC</u>	12.		
5. <u>Lycopodium obscurum</u>	<u>H</u>	<u>FACU</u>	13.		
6. <u>Athyrium filix femina</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>Erythronium americanum</u>	<u>H</u>	<u>FAC</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

HYDROLOGY

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

Date: 5/3/07
 Community ID: MPL
 Plot ID: IC1010 A552

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	O	10YR 2/1			Organics
2-6	A	10YR 2/1	10YR 5/3	Few Fine distinct	fine sandy loam

Hydro Soil Indicators

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

Remarks: Refusal @ 6" - very rocky

WETLAND DETERMINATION

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

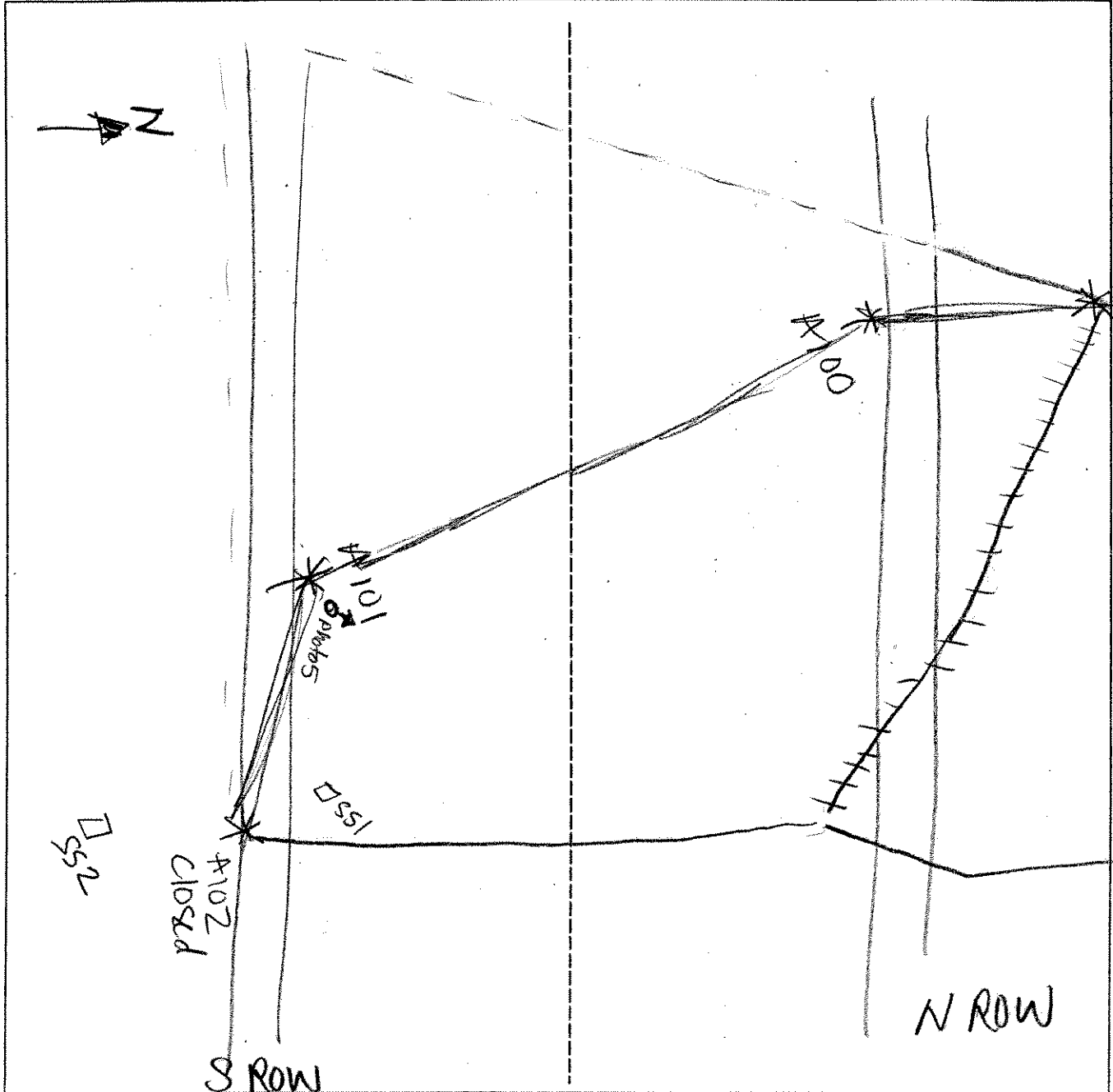
Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: 1C1010-A EXTENSION	Date: 3 May 07	Time:
Initials of Delineators: JV-AD	Location: 1C1010A	
Roll #:	Frames: photos by A101 facing NE	



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

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

Project Site: <u>MARBLE RIVER LAND FARM</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>WDD, SC</u>	Date: <u>7/17/06</u> County: <u>Clinton</u> State: <u>NC</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: <u>IC1014A</u> Plot ID: <u>SS1</u>

VEGETATION

PSS Alder thicket

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>0</u> Shrub: <u>5709</u> Herb: <u>9590</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Spruce Alder</u>	<u>S</u>		9.		
2. <u>Grayherb</u>	<u>S</u>		10.		
3. <u>Parrotia (long green)</u>	<u>H</u>		11.		
4. <u>Staghorn Fern</u>	<u>H</u>		12.		
5. <u>Jewelweed</u>	<u>H</u>		13.		
6. <u>BLACKBERRY</u>	<u>S</u>		14.		
7.			15.		
8.			16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>712"</u>	<input checked="" type="checkbox"/> Other (Explain in Remarks): <u>Associated w/ periodic stream</u>
Remarks:	

Date: 7/17/06
 Community ID: WERNAD
 Plot ID: ZC1014A-551

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR3/2	—		Silt loam
6-12	D	10YR3/2	10YR 4/4	50/50 mix	Silty clay

Hydro Soil Indicators

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

Remarks: *Reversal of Ager at 12"*

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>MARTIN RIVER WIND FARM</u> Applicant/Owner: <u>MARTIN RIVER, LLC</u> Investigator: <u>RTS, SC</u>	Date: <u>7/17/06</u> County: <u>CLINTON</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Uplands</u> Transect ID: <u>IC1014A</u> Plot ID: <u>552</u>

VEGETATION Open Dry Succorid

Plant Community Classification: <u>Open Dry Succorid</u>					
Percent Canopy Cover: Tree: <u>590</u> Shrub: <u>3590</u> Herb: <u>10090</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>ALLEGHANY/HB BLACKBERRY</u>	<u>H/S</u>				
2. <u>GIANT BURNING</u>	<u>H</u>				
3. <u>GRASS SP</u>	<u>H</u>				
4. <u>RUB</u>	<u>H</u>				
5. <u>Box ELDER</u>	<u>T</u>				
6. <u>cow vetch</u>	<u>H</u>				
7. <u>Stem Nettle</u>	<u>H</u>				
8.					
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <u>STEEP BANK</u>					

HYDROLOGY

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

Date: 7/17/06
 Community ID: Upland
 Plot ID: IC 1014A-SSR

SOILS

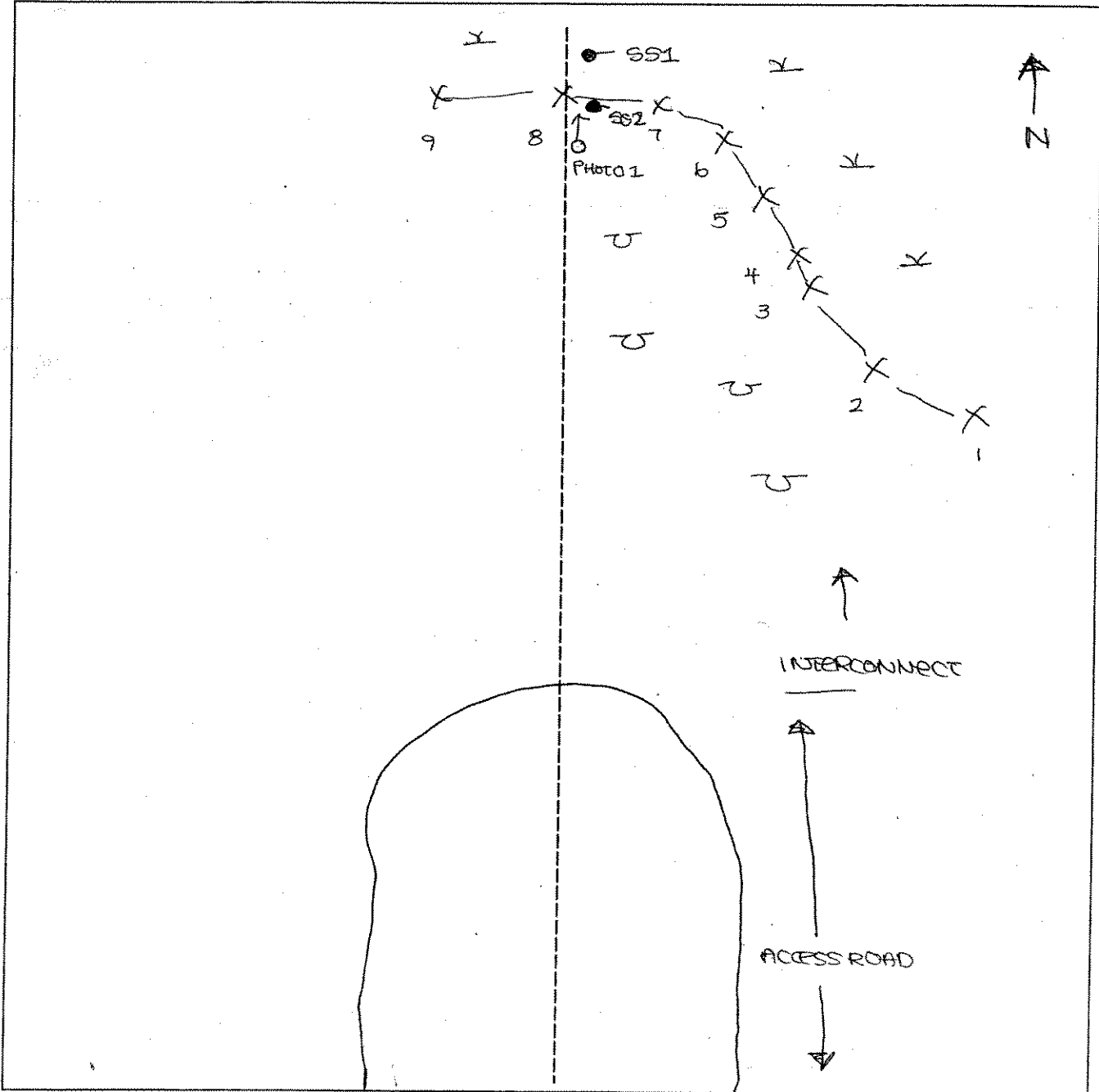
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: IC1014 A	Date: 7/17/06	Time:
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 1 FACING NORTH	



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

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

Project Site: <i>MARBLE RIVER WIND FARM</i> Applicant/Owner: <i>MARBLE RIVER LLC</i> Investigator: <i>R.D. SE</i>	Date: <i>7/17/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? 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: <i>IC10145</i> Plot ID: <i>551</i>

VEGETATION *RSS*

Plant Community Classification:					
Percent Canopy Cover: Tree: Shrub: Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RED MAPLE</i>	<i>T</i>				9.
2. <i>Brown Elm</i>	<i>T</i>				10.
3. <i>SPECIED Alder</i>	<i>S</i>				11.
4. <i>PARROT WING GILDED</i>	<i>H</i>				12.
5. <i>R. STEMMED GARDNER</i>	<i>H</i>				13.
6. <i>Juncus</i>	<i>H</i>				14.
7. <i>Sensitive Fern</i>	<i>H</i>				15.
8. <i>Interrupted Fern</i>	<i>H</i>				16.
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>n/a</i> Depth to Free Standing Water in Pit (in.): <i>~4"</i> Depth to Saturated Soil (in.): <i>at 0"</i>	Remarks: <i>Associated w/ perennial stream</i>

Date: 7/17/86
 Community ID: WETLAND
 Plot ID: EC1014R-SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	—	—	Silty CLM
12-14	B ₁	6.5Y 3/2	10YR 3/2	SD/SD mix	CLM
14-20	B ₂	10YR 5/3	—	—	Sandy CLM

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <u>MARBLE River Wind Farm</u> Applicant/Owner: <u>MARBLE RIVER, LLC</u> Investigator: <u>ED SC</u>	Date: <u>7/17/86</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? 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>IC1014B</u> Plot ID: <u>552</u>

VEGETATION FOREST EDGE / EARLY SUCCESSIONAL field

Plant Community Classification: _____ Percent Canopy Cover: Tree: <u>20%</u> Shrub: <u>90%</u> Herb: <u>70%</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Bittercherry</u>	<u>T</u>		9. <u>milkweed</u>	<u>H</u>	
2. <u>Apple</u>	<u>T</u>		10. <u>Solidago sp</u>	<u>S H</u>	
3. <u>SOFT MAPLE</u>	<u>T</u>		11. <u>WOODSORREL</u>	<u>H</u>	
4. <u>Gray Birch</u>	<u>T</u>		12. <u>VA Creeper</u>	<u>H</u>	
5. <u>Hib. SIBLBY</u>	<u>S</u>		13. <u>CANADA Goldenrod</u>	<u>H</u>	
6. <u>Raspberries</u>	<u>S</u>		14.		
7. <u>White Asters</u>	<u>H</u>		15.		
8. <u>Strawberry</u>	<u>H</u>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): _____					
Remarks: _____					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 7/17/06
 Community ID: Upland
 Plot ID: IC 104B-552

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.
0-18	A	10YR 4/4	—	—	Silt loam

Hydro Soil Indicators

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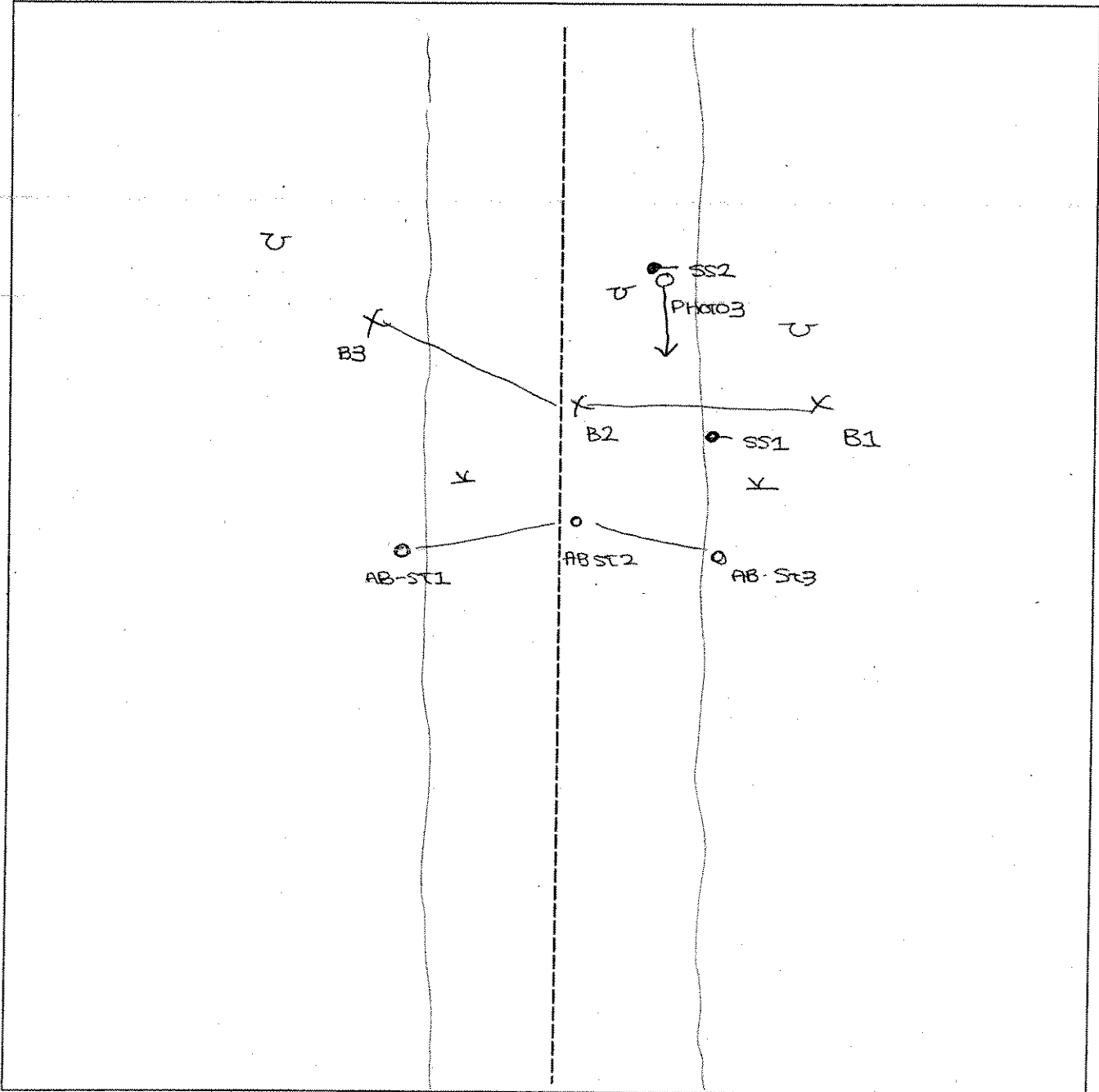
Remarks:

WETLAND DETERMINATION

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

SKETCH FORM

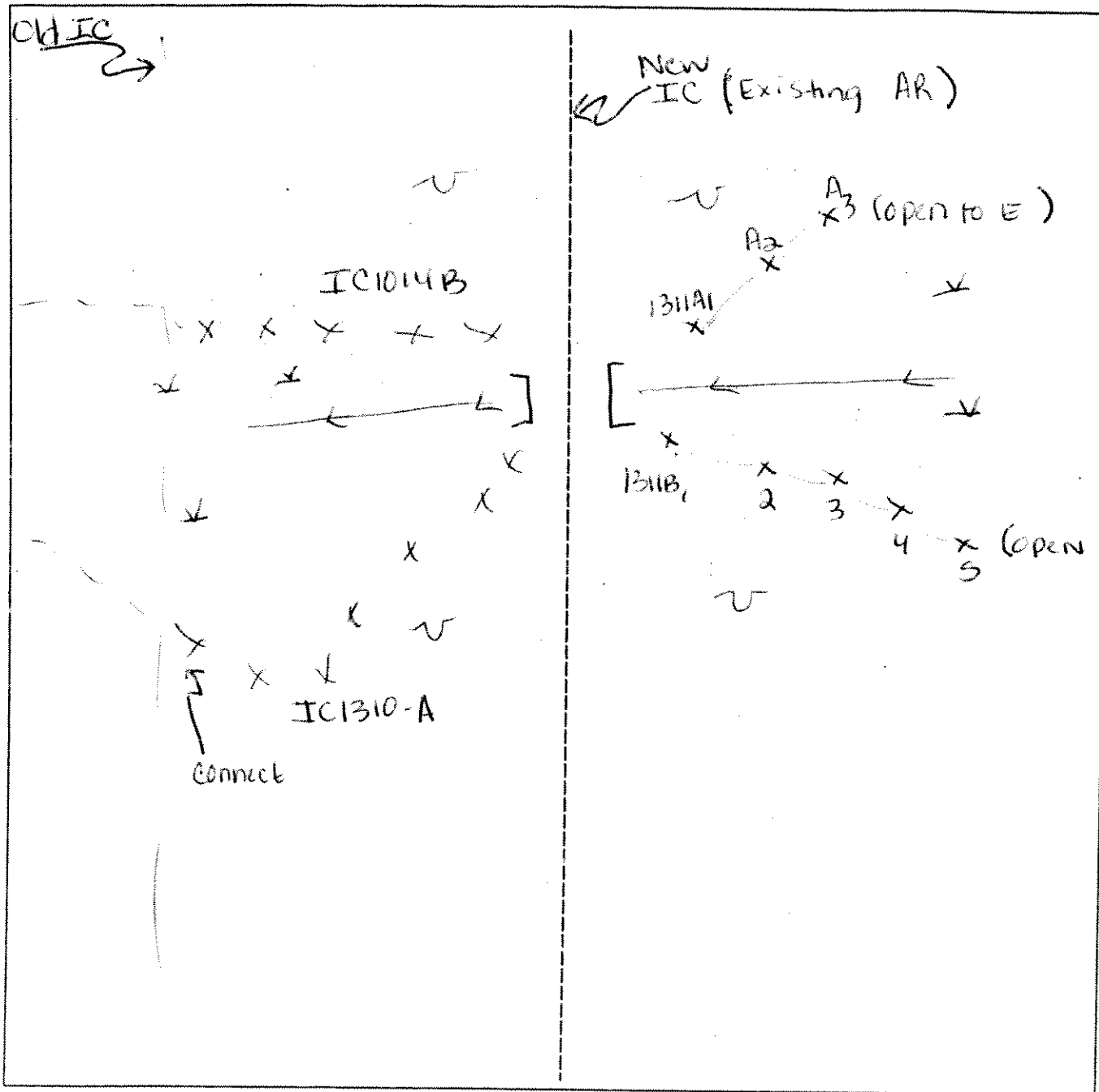
Wetland ID/Route #: IC1014B	Date: 7/17/00	Time:
Initials of Delineators: RD SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO 3 FACING S	



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

SKETCH FORM

Wetland ID/Route #: IC1014B / IC1310, 1311A/B	Date: 10/12/06	Time:
Initials of Delineators: JV IB	Location: IC N of T-175	
Roll #:	Frames:	



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

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

Project Site: <u>Marble River Wind</u> Applicant/Owner: <u>Marble River LLC</u> Investigator: <u>BO</u>	Date: <u>7/17/06</u> County: <u>Clinton</u> State: <u>NY</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>wetland</u> Transect ID: Plot ID: <u>IC 1015 AB-551</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>40</u> Herb: <u>15</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Plum virginiana</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Sparganium angustifolium</u>	<u>SH</u>	<u>FAC+</u>	10.		
3. <u>Cornus amomum</u>	<u>SH</u>	<u>FACW</u>	11.		
4. <u>Sagittaria arifolia</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Sparganium angustifolium</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>Glyceria striata</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Iris sp.</u>	<u>H</u>	<u>assumed</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

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

Date: 7/17/04
 Community ID:
 Plot ID:
 JC 1015 AB SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A ₀	2.5Y 3/1			
10-16	B _w	2.5Y 5/0	10YR 5/6	25%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content; Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BO</i>	Date: <i>7/17/06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) 	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1015 A/B-SS3</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
<i>1. Glucenia striata</i>	H	<i>OBL</i>	9.		
<i>2. Scirpus atrovirens</i>	H	<i>OBL</i>	10.		
<i>3. Juncus</i>	H	<i>FACW</i>	11.		
<i>4. arrow leaved toothwort</i>	H	<i>OBL</i>	12.		
<i>5. Juncus effusus</i>	H	<i>FACW</i>	13.		
<i>6. timothy</i>	H	<i>FACU</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>83%</i>					
Remarks:					

HYDROLOGY

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

Date: 7/17/06
 Community ID: WETLAND
 Plot ID: IC1015B

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0 → 16	AP	10 YR 3/1	7.5 YR 3/4	75%	Sandy loam
16 → 18	BW	2.5 YR 5/1	7.5 YR 4/4	75%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands 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>	Date: <i>7/17/06</i>
Applicant/Owner: <i>Marble River LLC</i>	County: <i>Clinton</i>
Investigator: <i>BLE</i>	State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 1015 A/B S/S</i>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>0</i>	Shrub: <i>0</i>	Herb: <i>10</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Timothy</i>	H	FACU	9.		
2. <i>Sweet Vernal Grass</i>	H	FACU	10.		
3. <i>Plantain</i>	H	FACU	11.		
4. <i>Yarrow</i>	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks: <i>Dirt Road</i>					

HYDROLOGY

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

Date: 7-17-06

Community ID:

Plot ID: *upland*

IC 1015 A/B -SSD

SOILS

Map Unit Name
(Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
<i>0-8</i>	<i>C (EIII)</i>	<i>10YR 2/1</i>	<i>none</i>	<i>low</i>	

Hydro Soil Indicators

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

Remarks:

- plot is in dirt road, extremely granule/stony
- C is fill

WETLAND DETERMINATION

Hydrophytic Vegetation Present?

Yes No

Wetlands Hydrology Present?

Yes No

Hydric Soils Present?

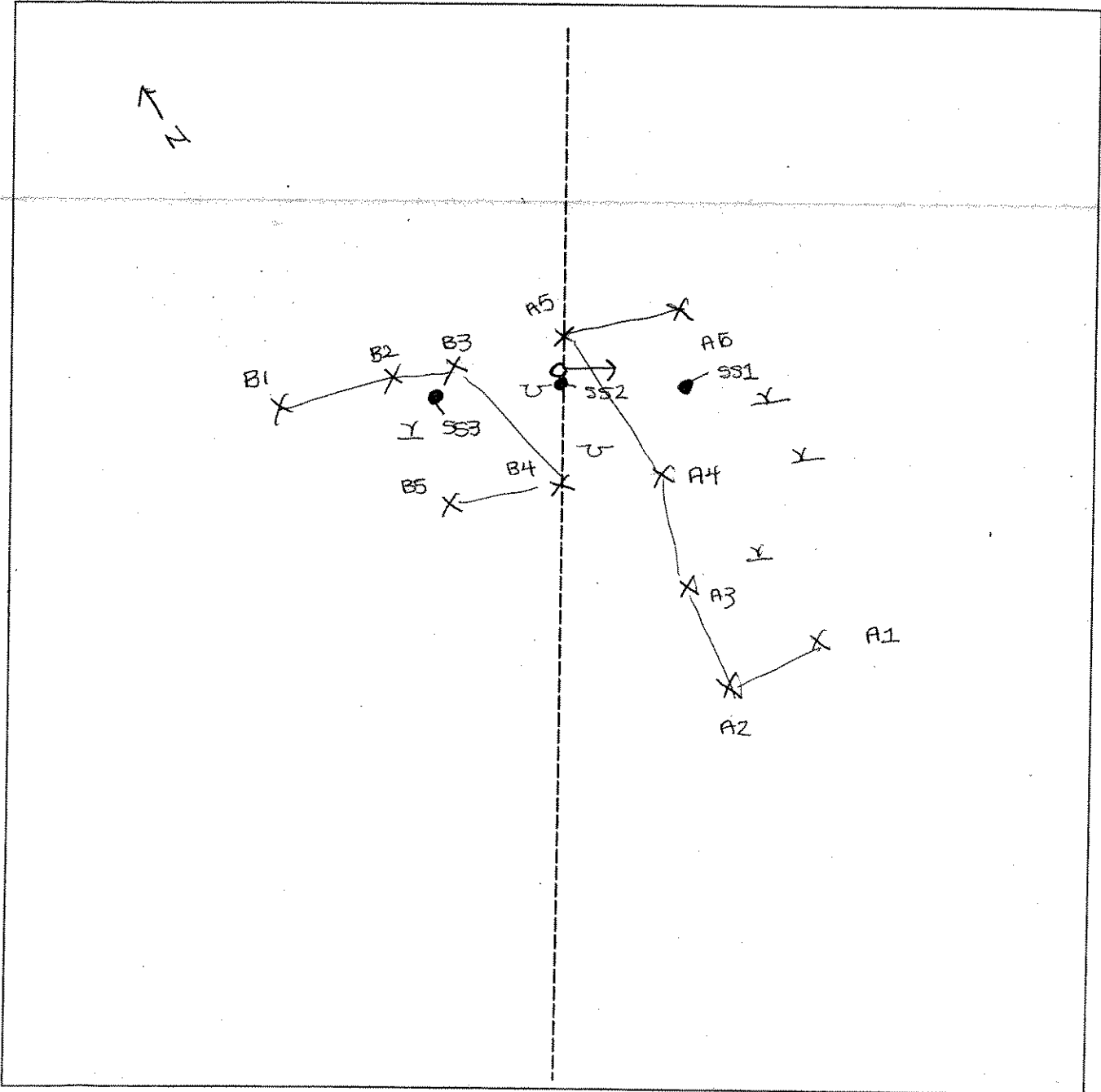
Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: IC1015A/B	Date: 7/17/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #:	Frames:	PHOTO: IC1015A FACING ESE



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

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

Project Site: <i>Middle River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQE</i>	Date: <i>7-17-06</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.) 	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1016 A 551</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub: <i>10</i>	Herb: <i>95</i>	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Scirpus atrovirens</i>	H	OBL	9.		
2. <i>Carex scoparia</i>	H	OBL	10.		
3. <i>Carex lasiocarpa</i>	H	OBL	11.		
4. <i>Juncus sp.</i>	H	FACW	12.		
5. <i>Plantago lanceolata</i>	Sh	FAC	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 type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 7-17-06
 Community ID: Wetland
 Plot ID:

IC 1016-A-SS1

SOILS

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

Profile Description:						
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.	
0-15	A ₂	2.5Y 8/1	7.5YR 3/3	75%	Sandy loam	
15-18"	B ₂₂	2.5Y 5/2	10YR 5/6	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 type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

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

Remarks

Pic → NW

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BCD</i>	Date: <i>7-17-06</i> County: <i>Clinton</i> State: <i>NY</i>						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC 1016 A 492</i>							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>0</i> Herb: <i>100</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Timothy</i>	<i>H</i>	<i>FACU</i>	9.		
2. <i>Sweet vernal grass</i>	<i>H</i>	<i>FACU</i>	10.		
3. <i>Phleopogon major</i>	<i>H</i>	<i>FACU</i>	11.		
4. <i>Burchardia tenuis</i>	<i>H</i>	<i>FAC-</i>	12.		
5. <i>Orchard grass</i>	<i>H</i>	<i>FACU</i>	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>0%</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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>None</i> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	<i>None</i>
Remarks:	

Date: 7-17-06
 Community ID: Upland
 Plot ID:

IC 1016-A-551

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
10-16	Ap	10YR 3/2	None	—	Sandy loam
16-18	B _{bc}	10YR 4/1	None	—	Sandy loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: <i>Marble River Wind</i> Applicant/Owner: <i>Marble River LLC</i> Investigator: <i>BQ</i>	Date: <i>7/17/08</i> County: <i>Clinton</i> State: <i>NY</i>
Do Normal Circumstances exist on the site? Yes <input type="radio"/> No <input checked="" type="radio"/> <i>Logging</i> Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <i>Wetland</i> Transect ID: Plot ID: <i>IC 1016 B-591</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <input type="radio"/> Shrub: <input type="radio"/> Herb: <input checked="" type="radio"/> Vine: <input type="radio"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Carex lurida</i>	H	OBL	9.		
2. <i>Carex stipata</i>	H	OBL	10.		
3. <i>Juncus effusus</i>	H	OBL	11.		
4. <i>Bonset (E. perfoliatum)</i>	H	FACW	12.		
5. <i>Glyceria striata</i>	H	OBL	13.		
6. <i>red top</i>	H	FACW	14.		
7. <i>arrowleaf cattail (P. sagittifolia)</i>	H	OBL	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>100%</i>					
Remarks:					

HYDROLOGY

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

Date: 7-17-06
 Community ID: wetland
 Plot ID:
 EC 1016-B-591

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A ₀	2.5Y 2/1	7.5YR 4/4	> 5%	loamy loam
10-16+	B _u	2.5Y 5/2	7.5YR 3/4	7.5%	loamy sand
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: <i>Wardle River Wind</i> Applicant/Owner: <i>Wardle River LLC</i> Investigator: <i>BR</i>	Date: <i>7-17-06</i> County: <i>Clinton</i> State: <i>VT</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>Upland</i> Transect ID: Plot ID: <i>LC 7016 B-552</i>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>60</i> Shrub: <i>10</i> Herb: <i>10</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Red maple (A. rubrum)</i>	<i>T</i>	<i>EAC</i>	9.		
2. <i>...</i>	<i>H</i>		10.		
3. <i>Black Cherry (P. serotinus)</i>	<i>Sh</i>	<i>FACU</i>	11.		
4. <i>Yew (C. cornuta)</i>	<i>SL</i>	<i>FACU</i>	12.		
5. <i>Hemlock (T. canadensis)</i>	<i>T</i>	<i>FACU</i>	13.		
6. <i>Canada mayberry</i>	<i>H</i>	<i>FAC-</i>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 7-17-06
 Community ID: Upland
 Plot ID:

IC 1016 B 552

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 7/2	non		
10-16 ⁺	B _u	10 YR	non		

Hydro Soil Indicators

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

Remarks:

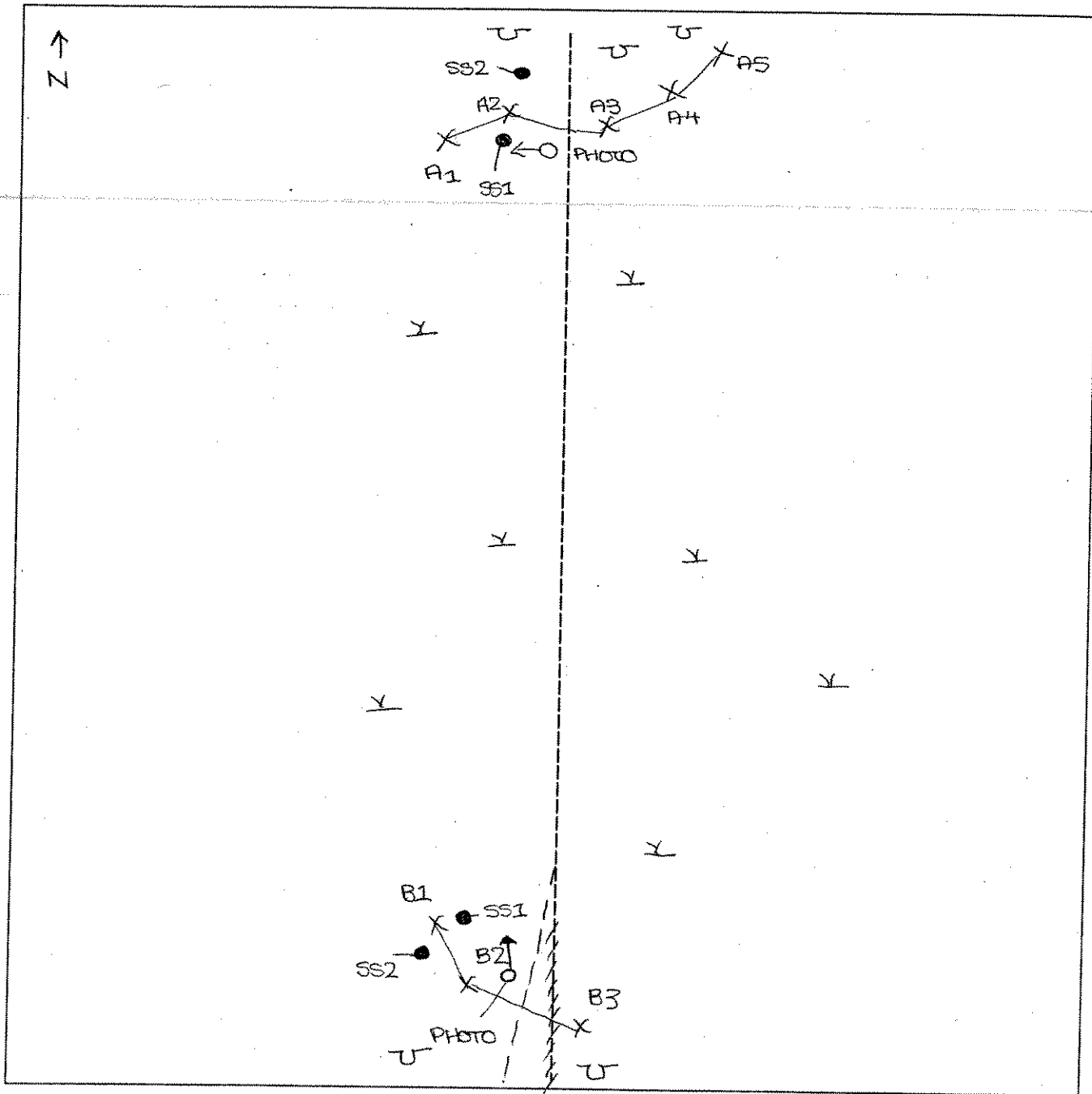
WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input 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

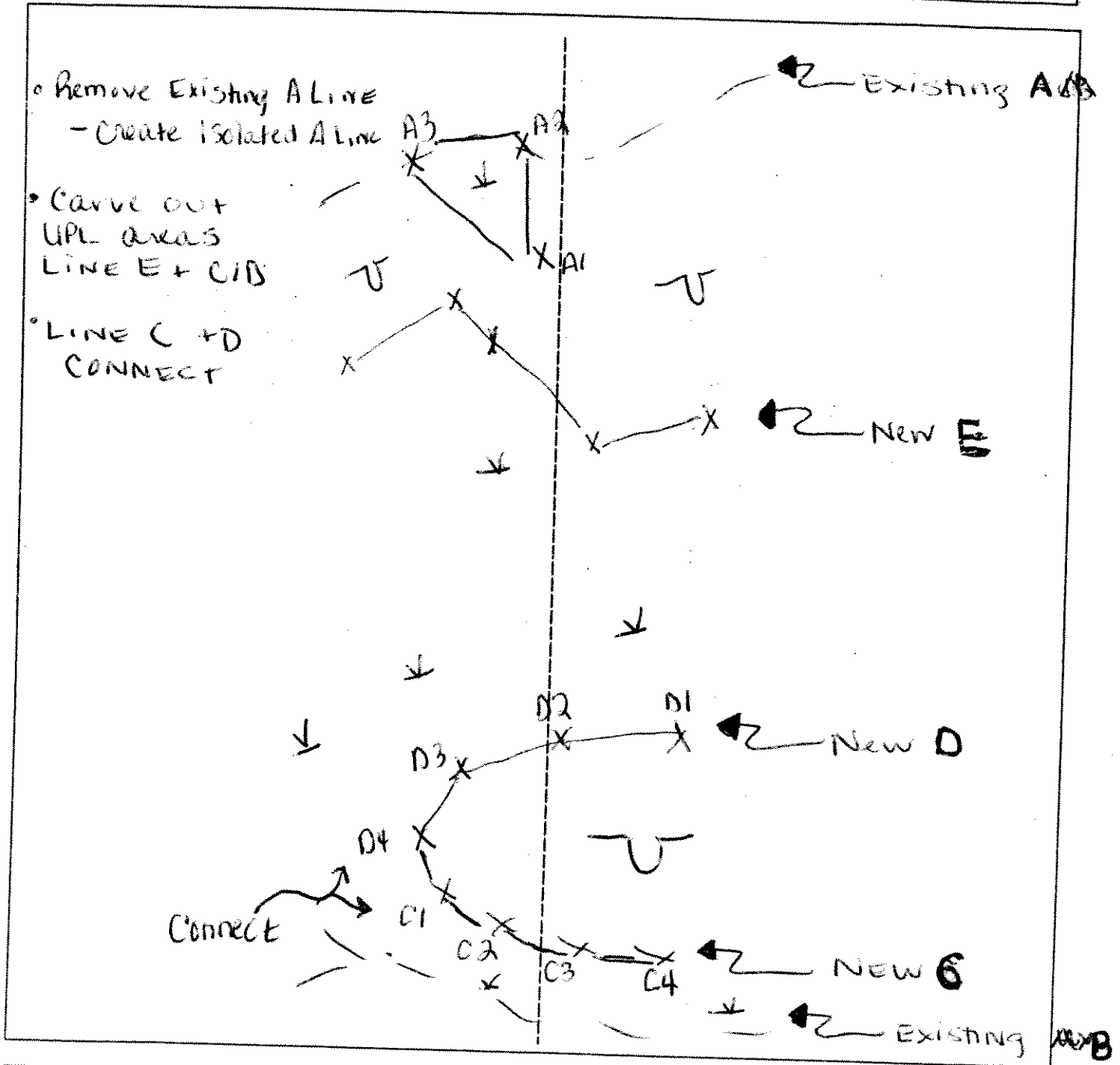
Wetland ID/Route #: IC10168A/B	Date: 7/17/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #: Frames: PHOTO (B LINE) FACING NORTH		



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

SKETCH FORM

Wetland ID/Route #: <u>IC 1016 C/D/E/F</u>	Date: <u>10/12/06</u>	Time:
Initials of Delineators: <u>JV LB</u>	Location: <u>IC TO T.3A</u>	
Roll #: Frames:		



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BQ</u>	Date: <u>7-21-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>IC 1023-A-551</u>

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>75</u> Herb: <u>25</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Salix sp</u>	<u>SH</u>	<u>Assoc wet</u>	9. <u>Urtica dioica</u>	<u>V</u>	<u>FAC</u>
2. <u>Cornus stolonifera</u>	<u>SH</u>	<u>FACW</u>	10. <u>Sparganium angustifolium</u>	<u>SH</u>	<u>FAC</u>
3. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	11.		
4. <u>Senecio jacobina</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Rough golden rod</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>Solidago gigantea</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Equisetum sp.</u>	<u>H</u>	<u>Assoc wet</u>	15.		
8. <u>Rubus idaeus</u>	<u>SH</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>90%</u>					
Remarks:					

HYDROLOGY

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

Date: 7-21-06

Community ID:

Plot ID:

IC 10+3-A-551

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	Ap	10YR 3/2	10YR 4/6	2%	finely gran
12-16+	Bw	2.5Y 5/2	10YR 5/6	>5%	Sandy loam

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

Pic 3 → N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO</u>	Date: <u>7-21-06</u> County: Clinton State: NY		
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </td> <td style="text-align: center; width: 50%;"> <input type="radio"/> Yes <input checked="" type="radio"/> No </td> </tr> </table>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC 1023-1552</u>			

VEGETATION

Plant Community Classification:					
Percent Canopy Cover:		Tree: <u>60</u>	Shrub: <u>25</u>	Herb: <u>20</u>	Vine: <u>0</u>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Corylus cornuta</u>	<u>SH</u>	<u>FACU</u>	11.		
4. <u>Shrub (A. arborea)</u>	<u>SH</u>	<u>FAC-</u>	12.		
5. <u>Solidago sp.</u>	<u>-</u>		13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>50%</u>					
Remarks:					

HYDROLOGY

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

Date: 7-21-06
 Community ID:
 Plot ID:

FC 1023-A-SS2

SOILS

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

Drainage Class:
 Field Observations
 Confirm Mapped Type? Yes No

Profile Description:		Matrix Color	Mottle Colors	Mottles	Texture, Concretions,
Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Size/ Contrast	Structure, etc.
(Inches)					
0-15	A ₂	10YR 7/2	none	✓	Sandy loam

Hydro Soil Indicators

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


Remarks:

Soil is extremely stony below 12"

WETLAND DETERMINATION

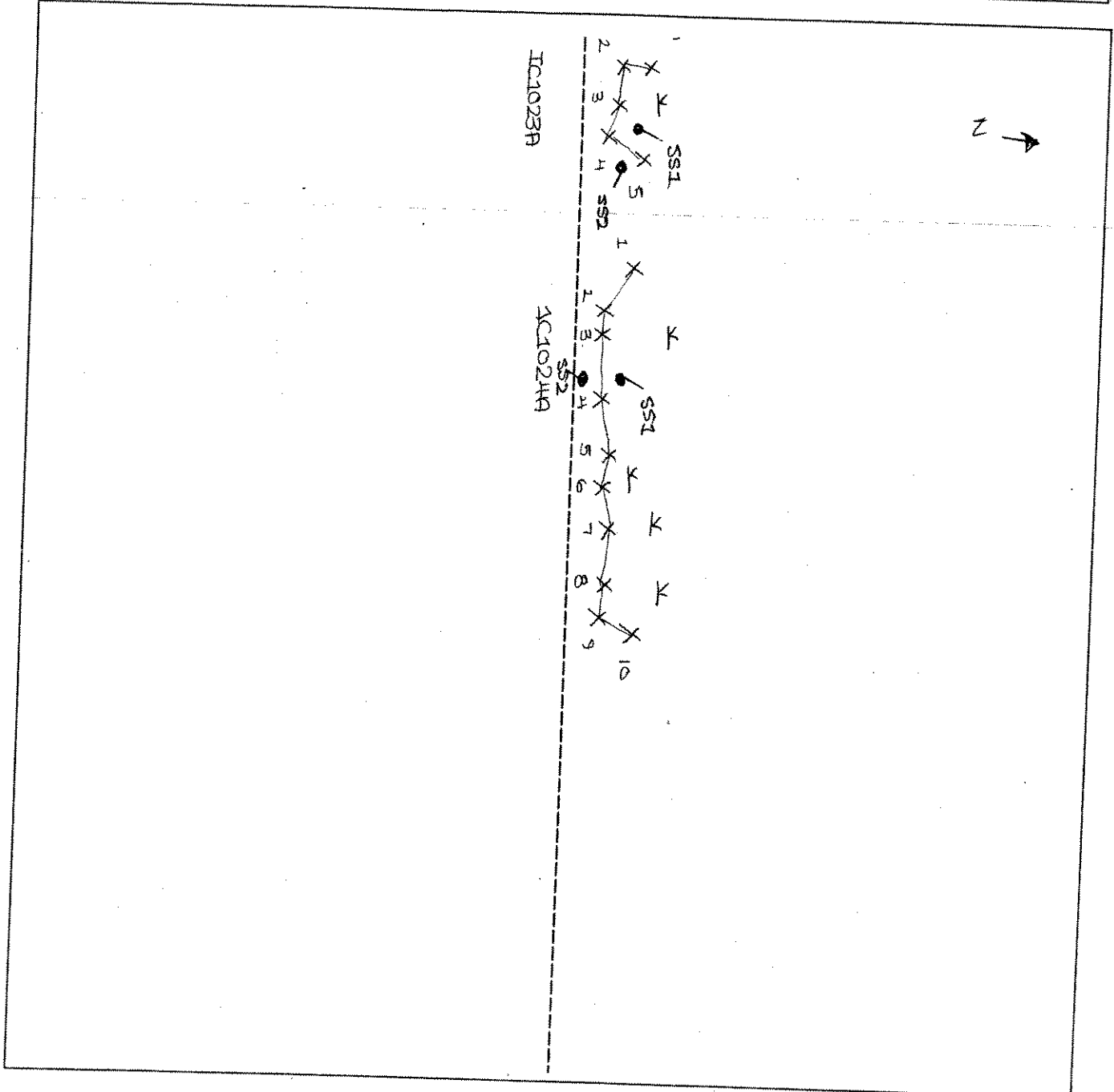
Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Hydric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

Remarks

wetland separated by long rock wall + topo
 SS2  SS1

SKETCH FORM

Wetland ID/Route #: IC1023A / IC1024A	Date: 7/20/06
Intials of Delineators: BG / SC	Location: HADDOLE RIVER
Roll #: Frames:	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BO BR</u>	Date: <u>7-21-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>IC 1024-A-551</u>							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>65</u> Shrub: <u>15</u> Herb: <u>30</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Acer rubrum</u>	<u>T</u>	<u>FAC</u>	9.		
2. <u>Betula populifolia</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>Spiraea latifolia</u>	<u>SH</u>	<u>FAC+</u>	11.		
4. <u>Shadbush</u>	<u>SH</u>	<u>FAC-</u>	12.		
5. <u>Acer rubrum</u>	<u>SH</u>	<u>FAC</u>	13.		
6. <u>Sensitive fern</u>	<u>H</u>	<u>FACW</u>	14.		
7. <u>Rough stem golden rod</u>	<u>H</u>	<u>FAC</u>	15.		
8. <u>Solidago gigantea</u>	<u>H</u>	<u>FACW</u>	16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>88%</u>					
Remarks:					

HYDROLOGY

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

Date: 7-21-06
 Community ID:
 Plot ID:
 IC 1024 A-971

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-10	A ₂	2.5Y 2/1	7.5YR 3/3	2%	Sandy loam
10-13+	B ₂ W	2.5Y 2/2	10YR 5/6	75%	Sandy loam

Hydro Soil Indicators

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

Remarks:
 - extremely stony

WETLAND DETERMINATION

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

Remarks
 Pic 2 → N

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>BQ/BR</i>	Date: <i>7-21-06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <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>IC 1024/1025-A-552</i>

VEGETATION

(shared upland data plot)

Plant Community Classification:						
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:	
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1.			9.			
2.			10.			
3.			11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			

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

Remarks: *Plot is in dirt road directly adj. to IC 1024 + IC 1025, no veg.*

HYDROLOGY

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

Date: 7-21-06
 Community ID: Upland
 Plot ID:
 IC 1024/1025-A-552

SOILS

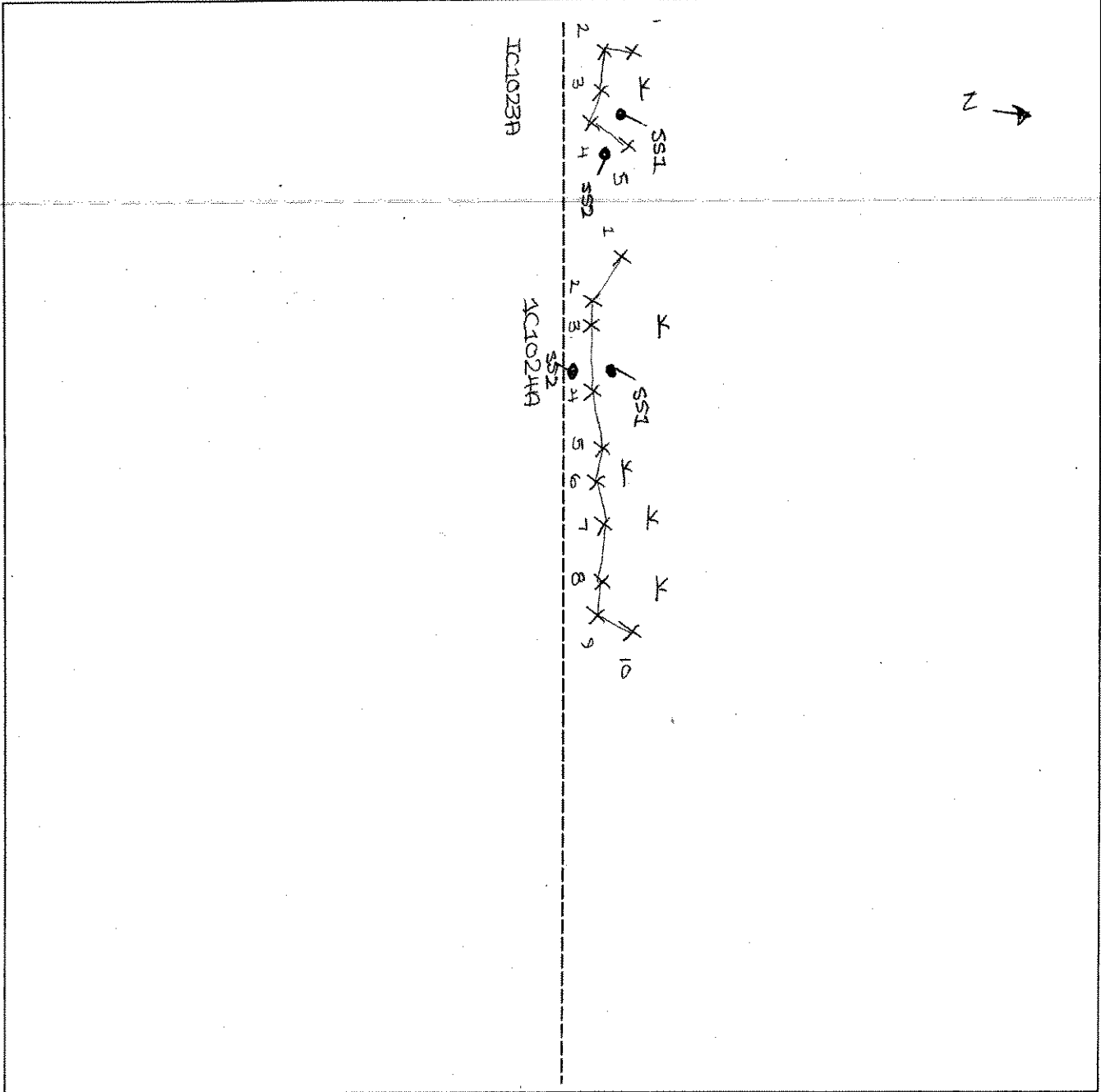
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-10	C(1:1)	2.5 Y 5/4	none	—	gravelly, 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: - soil is gravelly fill, surface of dirt road					

WETLAND DETERMINATION

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

SKETCH FORM

Wetland ID/Route #: IC1023A / IC1024A	Date: 7/20/06	Time:
Initials of Delineators: BA / SC	Location: HARBLE RIVER	
Roll #: Frames:		



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BD</u>	Date: <u>7-29-06</u> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Yes <input checked="" type="radio"/></td> <td style="text-align: center;">No <input type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">Yes <input type="radio"/></td> <td style="text-align: center;">No <input checked="" type="radio"/></td> </tr> </table>	Yes <input checked="" type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Yes <input type="radio"/>	No <input checked="" type="radio"/>
Yes <input checked="" type="radio"/>	No <input type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Yes <input type="radio"/>	No <input checked="" type="radio"/>						
Community ID: <u>Wetland</u> Transect ID: Plot ID: <u>IC 1038-A-551</u>							

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>90</u> Herb: Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Tamarack (Taxus laricina)</u>	<u>T</u>	<u>FACW</u>	9.		
2. <u>Leather leaf</u>	<u>SH</u>	<u>OBL</u>	10.		
3. <u>Sedum groenlandicum</u>	<u>SH</u>	<u>OBL</u>	11.		
4. <u>Bog rosemary (Andromeda sp.)</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>Glyceria canadensis</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>Sphagnum</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>Rhynchospora</u>	<u>SH</u>	<u>FACW</u>	15.		
8.			16.		
Percent of dominant species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks:					

HYDROLOGY

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

Date: 7-29-06
 Community ID: Wetland
 Plot ID:
 IC 1038-A-551

SOILS

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

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

Hydro Soil Indicators

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

Remarks: _____

WETLAND DETERMINATION

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

Remarks: - Peatland
- inundated

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator:	Date: 7-29-06 County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: wetland Transect ID: Plot ID: IC 1038-B-551

VEGETATION

Plant Community Classification:					
Percent Canopy Cover: Tree: 60 Shrub: 60 Herb: 35 Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Larix laricina	T	FACW	9.		
2. Acer platanoides	T	FAC	10.		
3. Vaccinium corymbosum	SH	FACW	11.		
4. Mountain Holly (N. mucronata)	SH	OBL	12.		
5. Sphagnum	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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.): 1"	Remarks:

Date: 7-29-06
 Community ID: wetland
 Plot ID:
 IC 1038-B-991

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-48"	0e	7.5YR 3/2	—	—	7e04

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>BC</u>	Date: <u>7-29-06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/> Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: Plot ID: <u>IC 1038-A/B-952</u> <i>(shared data plot)</i>

VEGETATION

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

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Trifolium pratense</u>	<u>H</u>	<u>FACU</u>	9.		
2. <u>Plantago major</u>	<u>H</u>	<u>FACU</u>	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

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

Remarks: Dirt Road Little veg (Swamp Rd.)

HYDROLOGY

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

Date: 7-29-06
 Community ID: Upland
 Plot ID: AC 1038-A/B-552

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	C	10 YR 8/4	none		gravelly loamy sand

Hydro Soil Indicators

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

Remarks:
 'C' is extremely dense gravelly fill of road

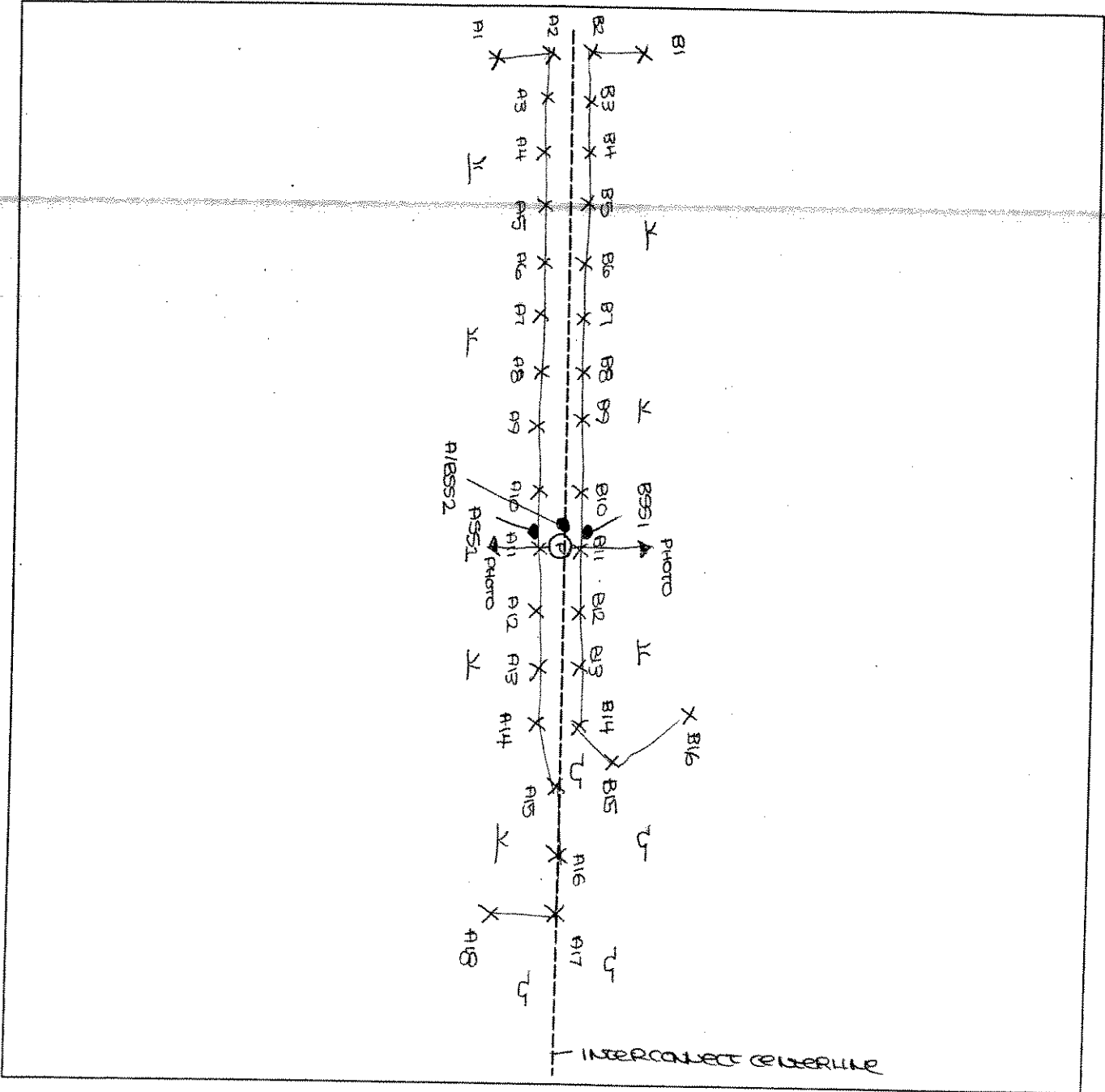
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC1038 A/B	Date: 7/29/06	Time:
Initials of Delineators: BQ / SC	Location: MARBLE RIVER	
Roll #: Frames: B PHOTO FACING NORTH A PHOTO FACING SOUTH		



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>R.D. Sci</i>	Date: <i>7/31/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center; border: none;"><input type="radio"/> Yes</td> <td style="text-align: center; border: none;"><input checked="" type="radio"/> No</td> </tr> </table>	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
<input type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
Community ID: <i>Wetland</i> Transect ID: <i>IC1039 A</i> Plot ID: <i>551</i>							

VEGETATION *PSS.*

Plant Community Classification: _____					
Percent Canopy Cover: Tree: _____ Shrub: _____ Herb: _____ Vine: _____					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>SPECIATED ALDER</i>	<i>3</i>		9. <i>Interrupted Fern</i>	<i>4</i>	
2. <i>GRAY BIRCH</i>	<i>T</i>		10.		
3. <i>AMOR CAN</i>	<i>T</i>		11.		
4. <i>BALSAM FIR</i>	<i>3</i>		12.		
5. <i>SLYBIE FERN</i>	<i>H</i>		13.		
6. <i>SPHAGNUM</i>	<i>H</i>		14.		
7. <i>CAREX SP</i>	<i>H</i>		15.		
8. <i>ASTR SP</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): _____					
Remarks:					

HYDROLOGY

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

Date: 7/31/06
 Community ID: WERAND
 Plot ID: IC1039A

SOILS

Map Unit Name (Series and Phase):
 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.
0-14	A	10YR3/1	—	—	Silty clay

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

Remarks: *Presence of shell at 14"*

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <u>RJD, SC</u>	Date: <u>7/31/06</u> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>IC1039 A</u> Plot ID: <u>552</u>

VEGETATION upland Conifer / Decid Mix Forest

Plant Community Classification: _____
 Percent Canopy Cover: Tree: 95% Shrub: 30% Herb: 25% Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>RALSAM FIR</u>	<u>TIS</u>		9. <u>Whorled Wood</u>	<u>H</u>	
2. <u>GRAY BIRCH</u>	<u>T</u>		10.		
3. <u>RED MAPLE</u>	<u>TIS</u>		11.		
4. <u>CANADA MAYFLOWER</u>	<u>H</u>		12.		
5. <u>BURCH BARKEN</u>	<u>H</u>		13.		
6. <u>BRACKEN POEN</u>	<u>H</u>		14.		
7. <u>CLUB MOSS</u>	<u>H</u>		15.		
8. <u>WOOD PILE</u>	<u>H</u>		16.		

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

Remarks: _____

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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: 7/31/06
 Community ID: upland
 Plot ID:

ICD39A

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	O	5YR 3/2			Leaf litter & organics
4-8	A	10YR 2/1			Silty clay loam
8-14	B	10YR 6/1	10YR 5/1	50/SD mix	Sand

Hydro Soil Indicators

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

Remarks:

Refusal of shovel at 14"

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RJD SCJ</i>	Date: <i>7/31/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><input checked="" type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input checked="" type="radio"/> No</td> </tr> <tr> <td style="text-align: center;"><input type="radio"/> Yes</td> <td style="text-align: center;"><input type="radio"/> No</td> </tr> </table>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
<input checked="" type="radio"/> Yes	<input type="radio"/> No						
<input type="radio"/> Yes	<input checked="" type="radio"/> No						
<input type="radio"/> Yes	<input type="radio"/> No						
Community ID: <i>W000005</i> Transect ID: <i>IC10393</i> Plot ID: <i>551</i>							

VEGETATION *PFO - Conifer*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>75%</i> Shrub: <i>30%</i> Herb: <i>65%</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Koeleria Fir</i>	<i>T1S</i>		9. <i>Carex intumescens</i>	<i>H</i>	
2. <i>Red maple</i>	<i>I5</i>		10. <i>Carex lasiocarpa</i>	<i>H</i>	
3. <i>N. Boreal woods</i>	<i>H</i>		11.		
4. <i>Club moss</i>	<i>H</i>		12.		
5. <i>Woodfern</i>	<i>H</i>		13.		
6. <i>Quillwort</i>	<i>H</i>		14.		
7. <i>Sphagnum</i>	<i>H</i>	<i>OBL</i>	15.		
8. <i>Carex sp</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Scattered woodfern</i> <i>Upland hummocks included.</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 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:	

Date: 7/3/06
 Community ID: wetland
 Plot ID: IC1039B

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-1	A	10YR 4/1	—	—	DEPOSITIONAL SILT
1-3		10YR 3/2	—	Silt &	ORGANIC & LEAF LITTER
3-4		10YR 2/1	—	—	Silty CLAY loam
4-7		10YR 5/2	—	—	Silty CLAY
7-12	B	10YR 5/3	10YR 4/4	50/50 mix	SANDY CLAY

Hydro Soil Indicators

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

Remarks:

Presence of shale at 12"

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>Pat. Sc</i>	Date: <i>7/13/06</i> County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: <i>Upland</i> Transect ID: Plot ID: <i>IC1039 B</i> <i>552</i>							

VEGETATION

Plant Community Classification: *Upland Forest*

Percent Canopy Cover: *Forest*

Tree: *35%* Shrub: *25%* Herb: *20%* Vine: *0*

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>TASSAEM TRE</i>	<i>TIS</i>		9.		
2. <i>Red maple</i>	<i>TIS</i>		10.		
3. <i>YELLOW Birch</i>	<i>T</i>		11.		
4. <i>Green hick</i>	<i>TIS</i>		12.		
5. <i>Canada mayflower</i>	<i>H</i>		13.		
6. <i>Club moss</i>	<i>H</i>		14.		
7. <i>Burk herry</i>	<i>H</i>		15.		
8. <i>white wood aster</i>	<i>H</i>		16.		

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

Remarks:

HYDROLOGY

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

Field Observations:

Depth of Surface Water (in.): *n/A*
 Depth to Free Standing Water in Pit (in.): *n/A*
 Depth to Saturated Soil (in.): *n/A*

Wetland Hydrology Indicators:

Primary Indicators:

- Inundated
- Saturated
- Water Marks
- Drift lines
- Sediment Deposits
- Drainage Patterns In Wetlands

Secondary Indicators (2 or more required):

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

Remarks:

Date: 7/3/06
 Community ID: upland
 Plot ID: TC1039B

SOILS

Map Unit Name
 (Series and Phase):

Drainage Class:

Taxonomy (SubGroup):

Field Observations
 Confirm Mapped Type? Yes No

Profile Description:

Depth
 (Inches)

Horizon

Matrix Color
 (Munsell Moist)

Mottle Colors
 (Munsell Moist)

Mottles
 Abundance/Size/
 Contrast

Texture, Concretions,
 Structure, etc.

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A	10YR 3/2	—	—	Silt loam upland sandy clay
3-5	E	10YR 5/2	—	—	Silty clay loam
5-12	B	7.5YR 3/4	—	—	

Hydro Soil Indicators

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

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

Remarks:

Refusal of shovel at 12"

WETLAND DETERMINATION

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

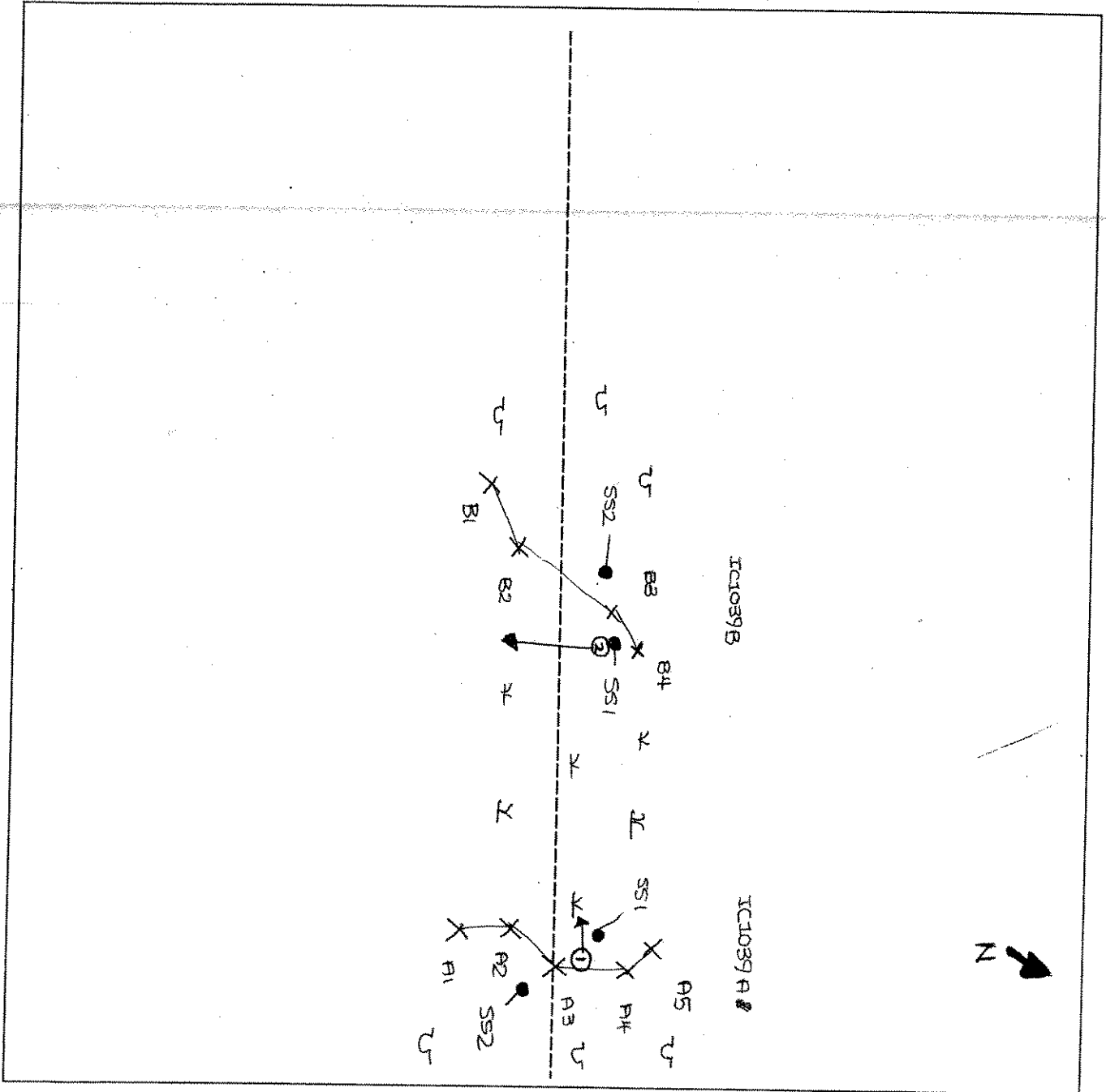
Yes No
 Yes No
 Yes No

Is this Sample Station Point Within a Wetland? Yes No

Remarks

SKETCH FORM

Wetland ID/Route #: IC1039 A / B	Date: 7/31/06	Time: AM
Initials of Delineators: RD / SC	Location: MARBLE RIVER	
Roll #:	Frames: PHOTO ① FACING WEST ② SOUTH - SOUTHEAST	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 8/3/06 County: Clinton State: NY
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/>
	Community ID: <i>WTRM</i> Transect ID: <i>IC1047A</i> Plot ID: <i>SSI</i>

VEGETATION *(PTO)*

Plant Community Classification: _____
Percent Canopy Cover: Tree: *65%* Shrub: *80%* Herb: *75%* Vine:

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>A. maculosa</i>	T		9.		
2. <i>R. m. m. m.</i>	T/S		10.		
3. <i>G. a. l. l.</i>	T		11.		
4. <i>J. E. l. w. e. e. d.</i>	H		12.		
5. <i>S. s. b. l. e. f. e. n.</i>	H		13.		
6. <i>C. p. l. o. x. a. n. o. s. a.</i>	H		14.		
7. <i>C. m. e. x. i. n. t. e. n. s. e.</i>	H		15.		
8. <i>[unclear]</i>	H		16.		

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

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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 checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>n/A</i> Depth to Free Standing Water in Pit (in.): <i>n/A</i> Depth to Saturated Soil (in.): <i>u</i>	
Remarks: <i>H2O Year to NE</i>	

Date: 8/3/06
 Community ID: WETLANDS
 Plot ID: JC10484-SS1

SOILS

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

Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR5/2	—	—	Silty clay loam
6-18	B	10YR5/2	10YR5/3	many lamellae (A-B)	clay

Hydro Soil Indicators

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

Remarks:

WETLAND DETERMINATION

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

Remarks

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>[Signature]</i>	Date: 8/3/86 County: Clinton State: NY						
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)	<table border="0"> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> <tr> <td>Yes</td> <td>No</td> </tr> </table>	Yes	No	Yes	No	Yes	No
Yes	No						
Yes	No						
Yes	No						
Community ID: UP1A Transect ID: IC1047A Plot ID: 552							

VEGETATION

Upland Decid Forest/Woodland

Plant Community Classification:					
Percent Canopy Cover: Tree: 40% Shrub: 65% Herb: 80% Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Gray birch	S/T		9.		
2. Speckled alder	S		10.		
3. R. stemmed golden rod	H		11.		
4. meadow sweet	S		12.		
5. Brambles	S		13.		
6. Red maple	T/S		14.		
7. Blackberry	I		15.		
8. Canada mayflower	H		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 8/13/06
 Community ID: [unclear]
 Plot ID: IC1047A-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.
1-12"	A	10YR 3/3	—	—	Silt loam

Hydro Soil Indicators

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

Remarks: *Reverse of page at 124*

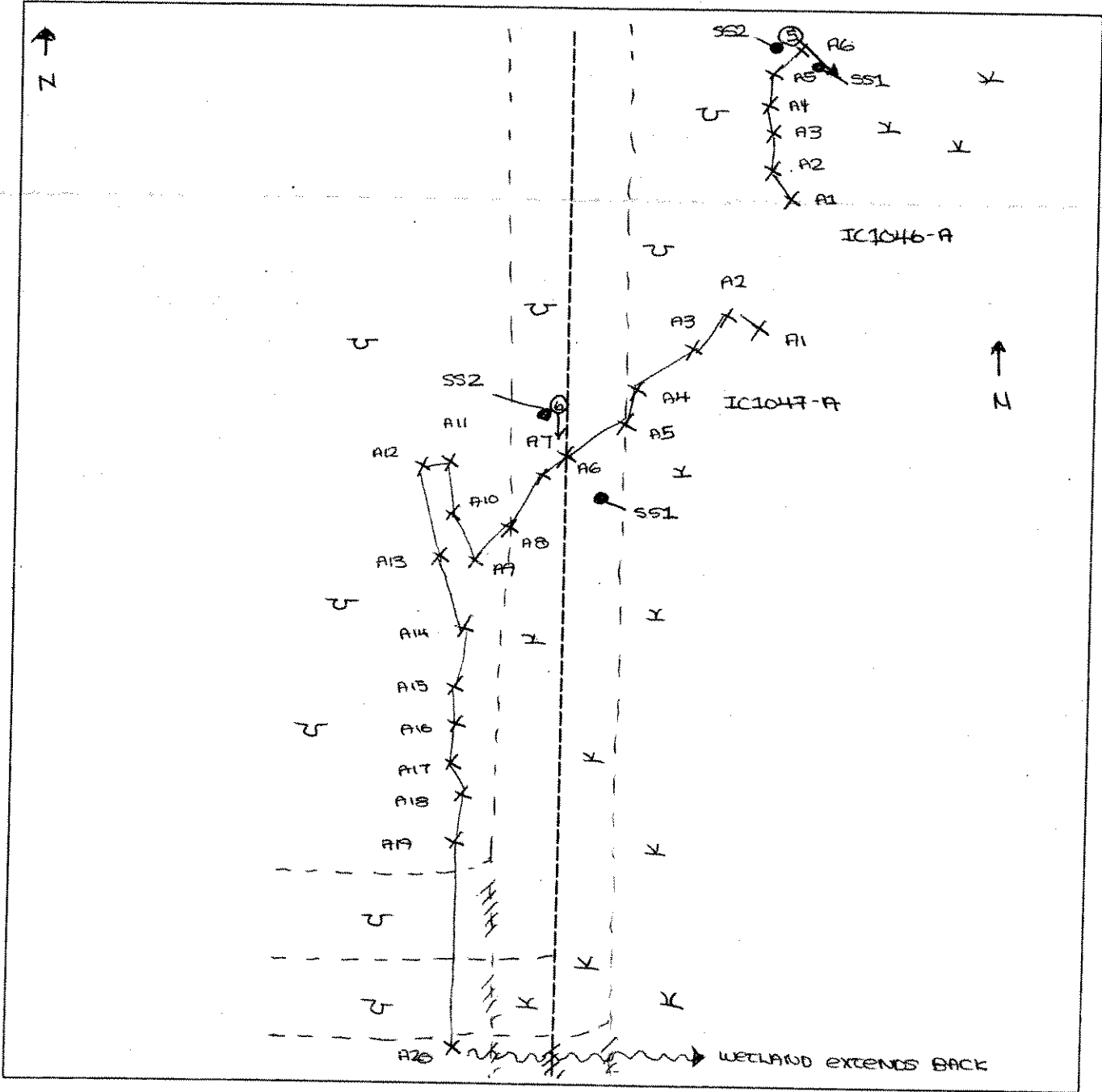
WETLAND DETERMINATION

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

Remarks: _____

SKETCH FORM

Wetland ID/Route #: IC1046-A IC1047-A	Date: 8/3/06 Time:
Initials of Delineators: AD / SC	Location: MARBLE RIVER
Roll #: Frames: PHOTO ⑥ FACING SOUTH / PHOTO ⑤ FACING SOUTHEAST	



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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>MA SC</i>	Date: <i>8/3/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <i>Yes</i> Is the site significantly disturbed (Atypical Situation)? <i>Yes</i> Is the area a potential Problem Area? <i>Yes</i> (If needed, explain on reverse.)	Community ID: <i>Wetlands</i> Transect ID: <i>201048A</i> Plot ID: <i>551</i>

VEGETATION *PFD / PSS*

Plant Community Classification:					
Percent Canopy Cover:		Tree:	Shrub:	Herb:	Vine:
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Speckled Alder</i>	<i>S</i>		9.		
2. <i>Balsam Poplar</i>	<i>T</i>		10.		
3. <i>Red maple</i>	<i>S/T</i>		11.		
4. <i>Hobble fern</i>	<i>S</i>		12.		
5. <i>Beak willow</i>	<i>S</i>		13.		
6. <i>Sensitive fern</i>	<i>H</i>		14.		
7. <i>Carex sp</i>	<i>H</i>		15.		
8. <i>RATTN</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks: <i>Sphag to SW</i>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <i>N/A</i> Depth to Free Standing Water in Pit (in.): <i>N/A</i> Depth to Saturated Soil (in.): <i>✓ 9"</i>	
Remarks:	

Date: 8/3/06
 Community ID: wetland
 Plot ID: IC1048A-551

SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (SubGroup):				Field Observations Confirm Mapped Type? Yes No	
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 2/1	—	—	Silty clay lam
9-18.5	B	10YR 5/1	10YR 5/4	com / med / dst	CLAY
13.5-18	B ₁	"	"	med / med, dst	
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

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

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

Project Site: Marble River Applicant/Owner: Marble River, LLC Investigator: <i>RTD SC</i>	Date: <i>8/3/06</i> County: Clinton State: NY
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>uplands</i> Transect ID: <i>IC1048A</i> Plot ID: <i>-SS2</i>

VEGETATION *(UPLAND) CONIFER FOREST*

Plant Community Classification:					
Percent Canopy Cover:		Tree: <i>70%</i>	Shrub: <i>25%</i>	Herb: <i>25%</i>	Vine: <i>0</i>
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>RAVENS PINE</i>	<i>H/S/H</i>		9.		
2. <i>CANADA MAYAPPLE</i>	<i>H</i>		10.		
3. <i>UNIDENTIFIED WOODRUST</i>	<i>A</i>		11.		
4. <i>BUNCH BERRY</i>	<i>H</i>		12.		
5. <i>INTERRUPTED FERN</i>	<i>H</i>		13.		
6. <i>INDIAN PINE</i>	<i>A</i>		14.		
7. <i>SUNSHINE RUSH</i>	<i>S</i>		15.		
8. <i>SPERMATOPHYTES</i>	<i>H</i>		16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-):					
Remarks:					

HYDROLOGY

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

Date: 8/3/06
 Community ID: uplands
 Plot ID: I01048A-552

SOILS

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

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

Hydro Soil Indicators

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

Remarks:

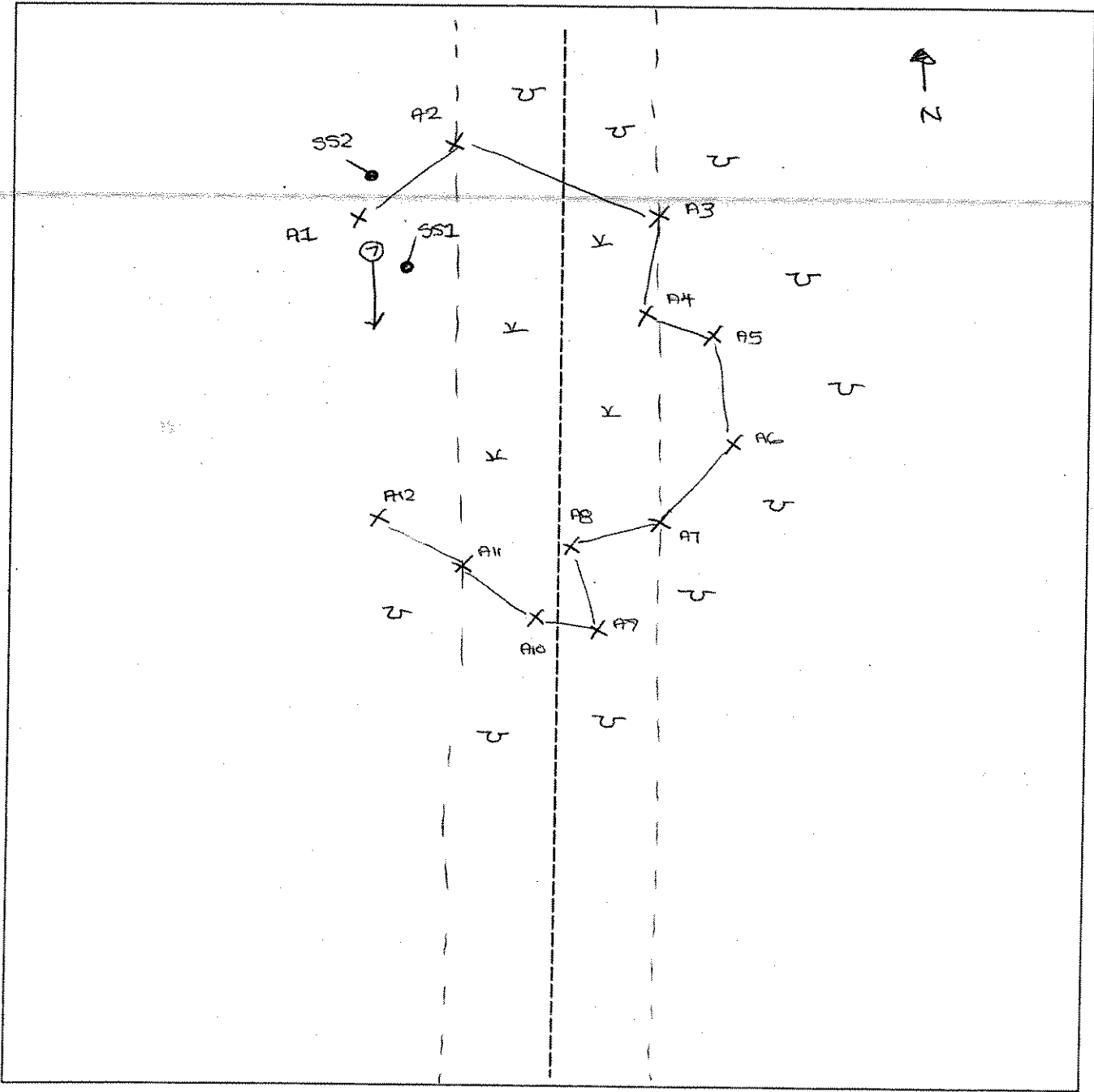
WETLAND DETERMINATION

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

Remarks

SKETCH FORM

Wetland ID/Route #: IC1048A	Date: 8/3/06 Time:
Initials of Delineators: RD / SC	Location: MARBLE RIVER
Roll #: Frames: PHOTO 7 FACING S	



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